В.В. КИРИЛЛОВА Т.В. ЛИОРЕНЦЕВИЧ А.М. ЗНАМЕНСКАЯ

АНГЛИЙСКИЙ ЯЗЫК

Некоторые трудности перевода с английского на русский язык литературы по специальности «Охрана окружающей среды»

Учебно-методическое пособие

Санкт-Петербург 2017 МИНИСТЕРСТВО ОБРАЗОВАНИЯ И НАУКИ РОССИЙСКОЙ ФЕДЕРАЦИИ

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ

«САНКТ-ПЕТЕРБУРГСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ ПРОМЫШЛЕННЫХ ТЕХНОЛОГИЙ И ДИЗАЙНА»

ВЫСШАЯ ШКОЛА ТЕХНОЛОГИИ И ЭНЕРГЕТИКИ

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Настоящее учебно-методическое пособие предназначено для студентов института технологии, обучающихся по направлениям подготовки 20.03.01 «Техносферная безопасность» и 18.03.02 «Энерго- и ресурсосберегающие процессы в химической технологии, нефтехимии и биотехнологии», имеет целью развитие навыков чтения и перевода специальной литературы.

Пособие содержит грамматические таблицы, охватывающие основные грамматические правила и упражнения для усвоения.

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ПРЕДИСЛОВИЕ

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Пособие посвящено повторению и освоению наиболее распространённых грамматических структур, встречающихся в литературе по охране окружающей среды и вызывающих трудность при переводе. Рассматриваемые грамматические структуры представлены в виде таблиц. Особенности их перевода связаны с морфологической характеристикой и синтаксической функцией. Упражнения построены на лексике по специальности, состоят из предложений, заимствованных из соответствующей литературы.

Прилагаемый словарь содержит слова, встречающиеся в упражнениях в их контекстуальном значении, и облегчает работу над переводом.

Таблица 1 Времена глагола в действительном залоге

	Время	Утвердительная форма	Вопросительная форма	Отрицательная форма
	Present	I ask. – Я спрашиваю.	Do I ask?	I do not ask.
	(настоящее)	He (she) asks. – Он (она) спрашивает.	Does he (she) ask?	He (she) does not ask.
		We (you, they) ask. – Мы (вы, они)	Do we (you, they) ask?	We (you, they) do not ask.
		спрашивают.		
	Past	I ask ed. – Я спросил.	Did I ask?	I did not ask.
	(прошедшее)	He (she) ask ed. – Он (она) спросил(а).	Did he (she) ask?	He (she) did not ask.
Simple		We (you, they) ask ed. – Мы (вы, они)	Did we (you, they) ask?	We (you, they) did not ask.
Si		спросили.		
	Future	I shall ask. – Я спрошу.	Shall I ask?	I shall not ask.
	(будущее)	He (she) will ask. – Он (она) спросит.	Will he (she) ask?	He (she) will not ask.
		We shall ask. – Мы спросим.	Shall we ask?	We shall not ask.
		You (they) will ask. – Вы спросите (они	Will you (they) ask?	You (they) will not ask.
		спросят).		

Продолжение табл. 1

	Время	Утвердительная форма	Вопросительная форма	Отрицательная форма
	Present	I am asking. – Я спрашиваю.	Am I asking?	I am not asking.
	(настоящее)	He (she) is asking. – Он (она) спрашива-	Is he (she) asking?	He (she) is not asking.
		ет.	Are we (you, they) asking?	We (you, they) are not
		We (you, they) are asking. – Мы (вы,		asking.
		они) спрашиваем (-ете, -ют).		
	Past	I was asking. – Я спрашивал.	Was I asking?	I was not asking.
	(прошедшее)	He (she) was asking. – Он (она) спраши-	Was he (she) asking?	He (she) was not asking.
18		вал(а).	Were we (you, they) asking?	We (you, they) were not
nonu		We (you, they) were asking. – Мы (вы,		asking.
Continuous		они) спрашивали.		
ŭ	Future	I shall be asking. – Я спрошу (буду	Shall I be asking?	I shall not be asking.
	(будущее)	спрашивать).	Will he be asking?	He (she) will not be ask-
		He (she) will be asking. – Он (она) спро-	Shall we be asking?	ing.
		сит (будет спрашивать).	Will you (they) be asking?	We shall not be asking.
		We shall be asking. – Мы спросим (бу-		You (they) will not be ask-
		дем спрашивать).		ing.
		You (they) will be asking. – Вы (они)		
		спросят (будут спрашивать).		

Окончание табл. 1

	Время	Утвердительная форма	Вопросительная форма	Отрицательная форма
	Present (Ha-	I have asked. – Я спросил.	Have I asked?	I have not asked.
	стоящее)	He (she) has asked. – Он (она) спроси-	Has he (she) asked?	He (she) has not asked.
		ла.	Have we (you, they) asked?	We (you, they) have not
		We (you, they) have asked. – Мы (вы,		asked.
		они) спросили.		
	Past (прошед-	I had asked. – Я спросил.	Had I asked?	I had not asked.
	шее)	He (she) had asked. – Он (она) спроси-	Had he (she) asked?	He (she) had not asked.
ect		ла.	Had we (you, they) asked?	We (you, they) had not
Perfect		We (you, they) had asked. – Мы (вы,		asked.
		они) спросили		
	Future (буду-	I shall have asked. – Я спрошу.	Shall I have asked?	I shall not have asked.
	щее)	He (she) will have asked. – Он (она)	Will he (she) have asked?	He (she) will not have
		спросит.	Shall we have asked?	asked.
		We shall have asked. – Мы спросим.	Will you (they) have asked?	We shall not have asked.
		You (they) will have asked. – Вы (они)		You (they) will not have
		спросите.		asked.

Вспомните три основные формы некоторых неправильных глаголов.

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to be - was, were - been - быть, являться
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to
$$get - got - got - получать$$

to
$$lose - lost - lost - терять$$

Поставьте глаголы в скобках в Present Simple. Предложения переведите.

- 1) Our Higher school (to train) qualified engineers capable to operate the most complicated up-to-date technological processes.
- 2) The first-year students (to have) lectures, classes and (work) in the laboratories.
- 3) The students (to take) notes at the lectures as it will help them to read up for their examinations.
- 4) The natural resources (to be) under increasing pressure which (to constitute) a threat to public health and development.
- 5) Nation industrialized economy (to require) large quantities of water.
- 6) The engineer closely (to examine) the results of the operation.
- 7) Men can transform the natural resources so that they (to loose) all resemblance to their original forms.
- 8) The biosphere are complex system (to possess) enormous possibilities for self-regulation.

Упражнение 3

Поставьте глаголы в скобках в Past Simple. Предложения переведите.

- 1) Last year I (to graduate) from the secondary school and I (to enter) the Higher school of technology and power engineering.
- 2) I (to get) interested in Mathematics when I (to be) at secondary school.
- 3) Yesterday it (to take) me an hour to get to our Higher school. I (not to miss) the first lecture and (to arrive) in time.
- 4) In the second half of the nineteenth century the rapid growth of the cities in the Baltic Sea region (to begin) to deteriorate the urban sanitation conditions.
- 5) During the last 100 years we (to drain) thousands of square kilometers of wetland, thus speeding up the water cycle.

- 6) It (to be) necessary to build sewer systems which (to remove) all the impurities from the cities.
- 7) The pollution of the environment, the destruction of ecosystems (to reach) threatening proportions.
- 8) Precise and highly sensitive apparatus (to study) mineral resources in the world.

Поставьте глаголы в скобках в Future Simple. Переведите предложения.

- 1) My elder sister (to graduate) from the university next year. The speciality (to be) engineer economist.
- 2) We (to have) our exams in January and then we (to have) vacations.
- 3) Tomorrow the lecture on Chemistry (to begin) at 9.30.
- 4) The immense temperature contrast between the land and the slowly cooling ocean (to result) in coastal hurricanes.
- 5) While there (to be) a sharp fall in the lower layers of the atmosphere the polluted atmosphere as a whole (to become) more heated than now.
- 6) The growing international literature on environmental history and the local material (to provide) good sources for work on environmental history.
- 7) Our country (to apply) the most modern technique of prospecting for natural deposits on a wide scale.
- 8) In this case any toxic material (to pass) through the reactor undiluted and (to kill) biological culture in the reactor.

Упражнение 5

Поставьте глаголы в скобках в Present Continuous или Past Continuous. Учтите, что времена этой группы показывают длительность действия как процесса. Переведите предложения.

- 1) Electronics (to become) increasingly important in all branches of production.
- 2) The Russian scientists (to solve) successfully important problems in Mathematics, Chemistry, Electronics, Medicine and Biology.

- 3) During the flight the astronauts (to observe) the Earth and the sky.
- 4) During the work on this discovery the scientist observed that a small electric current (to flow). He rightly concluded that some electrons (to move) through the vacuum.
- 5) Oxygen delignification and modified cooking (to grow) in importance. 28% of the Kraft pulp in Canada is now produced by oxygen delignification.
- 6) Hydrogen engineering (to develop) by constructing high capacity stations integrated into river systems known as cascades.
- 7) Let us suppose now that a small current (to flow) along a thick metal conductor.
- 8) The spacecraft (to circle) the globe when the newspapers all over the world began to comment its flight.

Поставьте глаголы в скобках в Present Perfect. Учтите, что это время употребляется для выражения действия, которое закончилось уже к данному моменту, но еще связано с настоящим. Эта связь часто поддерживается словами never — никогда, already — уже, since — начиная с, lately — недавно, this year (month, week) — в этом году (месяце, на этой неделе) и т.д. Переведите предложения.

- 1) This year I (to enter) the Higher school of technology and power engineering.
- 2) Recently they (to solve) some important problems in the field of artificial radioactivity.
- 3) This method (to find) universal recognition and application in a short period of time.
- 4) Science (to solve) recently many important problems and will solve still more important in the future.
- 5) They (to complete) already their investigation.
- 6) Interest in biomass feedstocks (to grow) significantly in the recent past.

- 7) These cities contain most of the people who (to suffer) from the pollution of the Baltic Sea.
- 8) Since 2010 these countries (to develop) many installations to prevent water pollution.

Поставьте глаголы в скобках в Past Perfect. Учтите, что это время употребляется для выражения действия в прошлом, которое совершилось ранее другого действия в прошлом. Переведите предложения.

- 1) My friend told me, that he (to see) already the new film.
- 2) When he came to the laboratory they (to finish) already their experiment.
- 3) By the end of the last year he (to collect) some information about the modern discoveries in the field of biology.
- 4) After Beckerel (to make) a great number of experiments he discovered the phenomenon of radioactivity.
- 5) In 1898 the Curies discovered a new substance which they (to receive) during their experiments. They found that it was much more active.
- 6) The author stated that the authorities of the plant (to use) newer treatment operations of water and (to improve) the efficiency of conventional processes.
- 7) The mill (to use) many purifying operations before the wastewaters were discharged in the environment.

Упражнение 8

Поставьте глаголы в скобках в нужном времени. Переведите предложения.

- 1) Every day he (to attend) lectures on Chemistry.
- 2) Yesterday they (not to work) in the laboratory because there was no electricity.
- 3) He (to pass) his examinations well and now he (to rest).
- 4) They (to get) good results which helped them in their work.

- 5) The natural purification of hydrological cycle (to proceed) for more slowly than it does now.
- 6) Future water supplies (to rely) more heavily or reuse and recycle.
- 7) In our time the problem of domestic waste disposal (to acquire) a global nature.
- 8) The most effective method of waste disposal (to be) to utilize it, in other words, to process it industrially.

Страдательный (пассивный) залог

В действительном залоге глагол выражает действие, которое совершает подлежащее.

The student writes the letter. Студент пишет письмо.

В страдательном залоге глагол выражает действие, которое совершается над подлежащим,

(которое подлежащее испытывает).

The letter is written by the student. Письмо написано студентом.

He is given a book. Ему дают книгу.

Страдательный залог образуется из вспомогательного глагола to be в соответствующем времени, числе и лице + Participle II (причастие прошедшего времени) спрягаемого глагола.

to be written.

Если после глагола в пассиве есть дополнение с предлогом by, with, то оно указывает, кем или чем производится действие.

The water is polluted by the chemicals. Вода загрязнена химикатами.

Продолжение табл. 2

Способы перевода	Пример	Перевод
3. Сочетанием глагола «быть» с кратким	The problem of waste utilization is	Проблема утилизации отходов соз-
страдательным причастием с суффиксами	created by the growth of popula-	дана ростом населения.
-н- или -т Глагол «быть» в настоящем	tion.	
времени опускается.	are created	созданы
	was created	была создана
	were created	были созданы
	has been created	была создана
	have been created	были созданы
	shall/will be created	будет создана
	will be created	будут созданы
4. Глаголом на -ся в соответствующем вре-	The water is purified by bacteria.	Вода очищается бактериями.
мени, лице и числе.		
5. Глаголом действительного залога в 3 ли-	The wastes are burned at the	Отходы сжигают на заводе.
це множественного числа, в неопределён-	plant.	
но-личном предложении.	was burned	сжигали
	will be burned	будут сжигать

Окончание табл. 2

Правила и способы перевода	Пример	Перевод
4. Глаголы с относящимся к ним предлогом, которые пе-	The problem is much spoken	Об этой проблеме мно-
реводятся также глаголами с предлогом:	about.	го говорят.
to depend on – зависеть от		
to insist on –настаивать на		
to look at – смотреть на		
to rely on – опираться на		
to speak of (about) – говорить о		
to refer to – ссылаться на, называть		
to deal with – иметь дело с и др.		
переводятся глаголами в неопределённо-личной форме,		
причём соответствующий русский предлог ставится пе-		
ред английским подлежащим.		
5. Глаголы без предлогов, которые переводятся глагола-	The letter was answered immedi-	На письмо ответили
ми с предлогом:	ately.	немедленно.
to affect – влиять на		
to answer – отвечать на		
to influence – влиять на		
to follow – следовать за и др.		
переводятся глаголами в активном залоге или неопреде-		
лённо-личной форме, причём соответствующий русский		
предлог ставится перед английским подлежащим.		

Переведите предложения, учитывая, что глаголы стоят в пассивном залоге.

- 1) He acknowledged that the river was highly contaminated.
- 2) Severe damage can be inflicted by military operation on the ocean.
- 3) The changes were followed by lowering color and permanganate number and the results are shown in fig.6.
- 4) Oxygen delignification of softwood is now practiced at 11 sites in Canada.
- 5) New mills are generally being designed to meet more stringent future standards.
- 6) Fish habitats are most often affected by a reduction of dissolved oxygen or by toxic substances in the water.
- 7) Many schemes are being used and proposed to promote the construction of treatment plants.
- 8) The ability of water to dissolve oxygen is inversely related to the temperature and is also influenced by salinity.
- 9) Recently more and more attention has been focused on the problem of preserving the environment.
 - 10) The countryside has also been affected by the large scale use of insecticides.
 - 11) The conventional activated sludge system contains a tank for wastewater aeration which is followed by a secondary settle and solids recycle line.
- 12) Wastewater flow is also affected by the characteristics of the area being served.

Упражнение 2

Переведите предложения, учитывая, что глагол в них может стоять в активном и пассивном залоге.

- 1) The interruptions or instabilities were observed as a result of the changes in fuel gas.
- 2) The construction materials are usually unaffected by the new design, except in the first stage.
- 3) In Canada the number of bleach plants practicing substantial substitution of chlorine dioxide increased.
- 4) In many cases, sewage is treated in sewage plants before it is pumped back into lakes, rivers, seas.
- 5) The material oxidable with permanganate was almost unaffected by a non-microbial aeration.
- 6) Because the chlorination stage in bleach plant has been modified over a period of several years, mill personnel could monitor the effects of changes.
- 7) The interaction between individual components and dissolved mineral present in receiving waters can greatly influence the toxicity of wastes.
- 8) The plant will be fined thousands of dollars until it constructs necessary wastewater treatment facilities.
- 9) Due to local permission, the plant will be fully enclosed in a steel-sided building.
- 10) The gas turbine will be purchased both to increase output and improve the heat rate of the station.
- 11) We also know that sewage contains many nutrients that are presently being wasted.
- 12) The taste and odor of drinking water are adversely affected by the substances of industrial origin.
- 13) The German chemist Justus von Liebig provided the scientific bases of the use of sewage as fertilizers in agriculture.
- 14) The extent of degradation which the organics of the bleaching effluents undergo in the recipient has been studied in an aquatic model system.

Модальные глаголы

Модальные гла-	Значение		Времена	
голы и их экви-		Present	Past	Future
валенты				
can	могу, умею	can work	could work	_
to be able to		am (is, are) able to work –	was (were) able to	shall (will) be able to
		могу /может /умеет рабо-	work – мог /умел	work – сможет / сумеет
		тать	работать	работать
may	могу, можно, разре-	may work	might work	_
to be allowed to	шено	am (is, are) allowed to work	was (were) allowed	shall (will) be allowed to
		– могу/ можно/ разрешено	to work – мог / было	work – смогу / будет
		работать	разрешено работать	можно работать
must	должен, надо, нужно	must work	_	_
to have to		have (has) to work – дол-	had to work – дол-	shall (will) have to work
		жен / приходится работать	жен был работать	– должен буду работать
to be to	должен, предстоит,	am (is, are) to work – дол-	was (were) to work –	_
	(обусловлено заранее	жен работать	должен был рабо-	
	намеченным планом)		тать	
should + инфи-	должен, должен бы,	This equipment should be han	dled carefully. – С этим	и оборудованием следует
нитив без "to"	следует, следовало бы	обращаться осторожно.		
	(наставление)			
ought to	должен, следует (со-	The results of this experiment ought to be checked.		
	вет, моральный долг)	Результат этого эксперимен	та надо проверить.	

- 1) Stock loads at the wastewater treatment plant can be avoided by means of equalization basin.
- 2) The plant may be required to provide pretreatment to eliminate corrosive or toxic materials.
- 3) Industrialized countries must give serious attention to the problem of water pollution.
- 4) Hot water should be used for the wire cleaning showers.
- 5) In our highly industrialized country, we may be able to afford, at the present time, to lose the nutrients of sewage.
- 6) The oxygen concentration in the reactor is to be at least 2 mg/l.
- 7) Man should carefully study the impact of his activity on various components of the surrounding nature.
- 8) An equalization or storage basin for the treated wastewater has to be used where industrial demand varies.
- 9) The total quantity and concentration of pollutants in the discharge should be controlled by the regulator.
- 10) The first and second stages of washing are to have downflow towers, the third and fourth stages upflow towers.
- 11) Land on which industrial activities had been situated could be polluted.
- 12) The pump delivered 0-10 gal/hr at a maximum pressure and was able to withstand the closing and corrosion associated with pumping sewage.
- 13) Although incoming raw water is frequently treated to remove suspended material, other types of pollution may be more dangerous. For example, dissolved organic substances can adversely affect a wide range of industrial uses.
- 14) The researcher has to get information about exact locations where industrial establishments dumped oil.

- 15) The gasifier should be fluidized with either steam or recirculated product gas.
- 16) The biomass has to be converted to a form that can be utilized in special power generation systems.
- 17) Detergents may be troublesome particularly where waters are to be discharged into turbulent streams.
- 18) The heat in the hot product gas is able to be utilized to preheat char burner combustion air.
- 19) It should be mentioned that worldwide about ³/₄ of all current population growth is urban.

Таблица 4

Глагол "to be"

Функция в предложении и значения	Примеры	Перевод
1. Смысловой глагол «быть» , «яв- ляться» , «находиться» .	Soil erosion is the destruction of soil by water and wind.	Эрозия почвы означает разрушение почвы водой и ветром.
2. Вспомогательный глагол для образования сложных глагольных форм (группа времен Continuous, страдательный залог). Самостоятельно не переводится.	The chemicals are polluting the water. The article was published last year.	Химикаты загрязняют воду. Статья была опубликована в прошлом году.
3. Модальный глагол (в сочетании с инфинитивом с частицей "to") со значением долженствования.	The man is to preserve nature. Their aim is to preserve nature.	Человек должен сохранять природу. Его цель заключается в том, чтобы сохранять природу.
4. Конструкция "there be" играет в предложении роль сказуемого и переводится «есть», «имеется», «существует».	There are many methods of cleaning the wastewater.	Существует много методов очистки сточных вод.

- 1) The replacement of fossil fuels is an urgent task in many cities.
- 2) A periodic testing is required to ensure that the treated effluent is within specified limits.
- 3) Phase 2 facility construction is to be completed by the next year.
- 4) A primary effluent control system for the kraft mill was in full operation and next year similar facilities for the newsprint mill will be completed.
- 5) The main aim is to provide concrete local studies and examples of urban socio-ecology for local needs.
- 6) Storage at a low temperature 4° is perhaps the best way to preserve most samples until the next day.
- 7) External treatment is usually by means of sedimentation to remove suspended solids.
- 8) Water pollution is defined as any change in the condition of water which is detrimental to some beneficial use.
- 9) The purpose of sampling and analysis is to show the peak load concentration.
- 10) A temporary solution was to contain the spent liquor and dump it in an approved area at the sea.
- 11) The aim of wastewater treatment plant is to remove off pollutants from the wastewater.
- 12) The usual goals of sludge treatment are to reduce the volume of material needing disposal and to change it to a less offensive form.
- 13) Dissolved solids are important mainly where wastewaters are to be reused after treatment.
- 14) The aim is to preserve environmental quality for the benefit of present inhabitants and future generations.

- 15) The speed of the belt is to be regulated by the variable speed control of the drive roll.
- 16) Where wastewater is to be used as make-up in cooling towers, salts and nutrients may cause serious difficulties.
- 17) The aim of this paper is to provide information which is useful to developing countries where new wastewater facilities are to be introduced.
- 18) Where wastewaters are to be discharged into relatively clean bodies of water, the nutrients may enrich such waters to great extent.
- 19) Where industrial wastewaters are to be discharged into the community system, it is necessary to determine whether these wastewaters would damage the collection system of the treatment plants.
- 20) Color is important only when the dilution factor in the receiving water is low and light penetration is affected significantly and has an impact on plant growth in the water system.

Глагол "to have"

Функция в предложении и значение	Примеры	Перевод
1. Смысловой глагол «иметь»	The plant has a good recovery system.	Завод имеет хороший регенерационный котел.
2. Вспомогательный глагол для образования сложных форм глагола (группа времен Perfect). Самостоятельно не переводится.	The invention has made people's work easier.	Изобретение облегчило труд людей.
3. Модальный глагол (в сочетании с инфинитивом с частицей "to") со значением долженствования.	The operation has to modify the solution.	Операция должна изменить раствор.

- 1) The gas turbine operates at a compression ratio of 7/1 and has a maximum power rating of 200 kW.
- 2) While towns and cities have become larger and uglier and more densely populated, the rural areas have lost most of their population owing to the need of fewer workers in agriculture.
- 3) Earth scientists have to work toward developing and ever fuller understanding of the earth environment.
- 4) Legislation based on a realistic assessment of how industrial discharges impact on the environment have already been more effective in controlling pollution.
- 5) The motor car has brought mobility to million of people but at the same time it has polluted the atmosphere with exhaust fumes.
- 6) Information on environmental problem is not always written down in documents, but has instead to be collected through the use of oral sources.
- 7) The legal definition of pollution has varied around the world.
- 8) We have to interpret the past to understand the present situation of our environment in order to develop a competence for future action.
- 9) The treatment of sewage always has big expenses from the view point of the treating plant alone.
- 10) The effluent has to be appropriately diluted, so that oxygen depletion during the test does not exceed more than 70-75% depletion.
- 11) The characteristics of wastewater are broadly classified into physical, chemical and biological according to the type of measurement test that has to be performed.
- 12) The inhabitants and political decision makers have to understand their responsibility in improving the state of the ocean.
- 13) Sewage treatment plants have to be constructed.

- 14) Perhaps the single most effective stratagem for reducing inplant losses has been to recycle and reuse mill process water.
- Only a small amount of solution has to be pumped through the tubing leading to the holiday tank.
- 16) The pretreatment must be introduced in order to reduce the charges that the mill has to pay to the community for handling the wastes.
- 17) An explanation of the causes and effects of different changes in the nature has to be accompanied by analysis of the impact of political and economic events on the environment.
- 18) Wars and preparation for them such as tests of new types of armaments are having a tremendous destructive effect on the natural environment.
- 19) Our research and innovation over the years has given us the strength and expertise to contribute to the forest industry's development.
- 20) The objective in managing raw wastewaters is to maintain sufficient dissolved oxygen, so that anaerobic conditions have to be prevented.

Таблица 6

Степени сравнения прилагательных и наречий

Положительная степень	Сравнительная степен	нь Превосходная степень				
	1. Односложные прилагательные					
long – длинный	longer – длиннее	the longest – самый длинный				
	2. Многосложные прилагат	гельные				
important – важный more important – более важный the most important – самый вах less important – менее важный the least important – наименее						
	Сравнительные союз	ВЫ				
than – чем: Yo	u are older than me. – Ты старше	е меня. (Ты старше, чем я.)				
		оas – не такой как				
thethe – че	EM, TEM: The more, the better	- чем больше, тем лучше.				
	3. Исключения					
good хороший \	better – лучше	the best – самый лучший,				
well хорошо ∫		лучше всего				
bad плохой	worse – хуже	the worst – хуже всех,				
badly плохо	worse xyme	хуже всего				
much много many	more – больше	the most – наибольший, больше всего				
little – маленький, мало	less — меньше	the least – наименьший, меньше всего				

Most перед существительным – «большинство», «большая часть»: most of the students – большинство студентов.

- 1) One of the hottest fields in chemical science is environmental chemistry.
- 2) The richest countries consume 80% of all goods and services.
- 3) Most developed countries consume more resources than they can regenerate.
- 4) The pollution grew worse due to expanding industrialization and urbanization.
- 5) The coastal waters represent the most important part of Baltic Sea for urban inhabitants.
- 6) The more water using fixtures available in the home, the larger will be the wastewater flow per capita.
- 7) The most significant factor in determining wastewater quantity is the water supply system.
- 8) The environmental history today is one of the fastest growing new research fields of history.
- 9) Most grades of pulp are bleached to high brightness.
- 10) The higher the degree of treatment, the less the chlorine demand of the effluent.
- 11) Higher chemical costs are more than offset by steam savings and increased yields.
- 12) The plant began to incorporate the latest pollution abatement in its first kraft mill.
- We live in the period of the greatest extinction of plant and animal species since the extinction of the dinosaurs millions years ago.
- 14) The best method that was found for screenings is by incineration.
- 15) The further the concentration of the oxygen is away from saturation, the higher is the driving force for absorption.
- Water covers about 2/3 of the Earth surface. But most is too salty for use. Water crisis is one of the most worrying problems for the new millennium.

- 17) The need to give greater priority to sewage than in the past is now clear because of the importance of wastewater collection, treatment and disposal.
- 18) Although the overall kappa factor is higher and the bleaching efficiency is lower for oxygen delignification, the cost of bleaching is lower.
- 19) The total solids entering sewage treatment plant from domestic wastes are less than one half of the total solids in industrial wastes.
- 20) In 2015 all of the bleach plants in Canada practiced greater than 50 % substitution of chlorine dioxide.

Таблица 7 Многофункциональное слово "one"

Функция, значение	Примеры		Перевод	
1. Числительное «один», «од- на», «одно».	This power plant is one of the oldest.		Эта электростанция – одна из старей-ших.	
2. Формальное подлежащее в неопределенно-личных предлежениях, самостоятельно не переводится.	One knows (известно) One believes (считают) One can (можно) expect One must (нужно) expect One may (можно) expect	•	Известно, Считают, Можно ожидать, Нужно ожидать, Можно ожидать,	что этот завод > получает хорошую прибыль.
3. Слово-заменитель. Переводится тем существительным, которое заменяет или опускается в переводе.	The new way of transporting from the old one .	ng fuel differs	Новый путь перевоз чается от старого (п	

- 1) There are many advantages of using this method, the main ones are its cost and efficiency.
- 2) The question of pollution abatement is still another one and will not be discussed here.
- 3) Alum is one of the most widely used chemicals in paper industry.
- 4) The volume of sewage for agriculture is one of central aspects of this discussion.
- 5) One must know all the properties of this substance.
- 6) They study organic processes and inorganic ones.
- 7) In many cases the environmental problem has become a dominant one in relation to many others.
- 8) One of the promising technologies is advanced biomass gasification.
- 9) One may expect that this substance dissolves easily in water.
- 10) The problem s of turning the material production from a purely technical and social elements into a biosocial one.
- 11) Sodium is the only one of alkali metals which is used industrially in large quantities.
- 12) Today one person in five across the world has no access to safe drinking water.
- 13) Today in Canada one uses substantial substitution of chlorine dioxide in the first stage of bleaching of paper.
- 14) In many cases the environmental problem has become a dominant one between the others.
- 15) The ecological problem which is also very much a social one, is one of the pressing problems of our days.
- One of four mammal species and one of eight bird species face a high risk of extinction in the near future.

- 17) An alcohol plant for production of ethyl alcohol was followed by one to produce the flavouring chemical vanillin by alkaline oxidation of lignin.
- 18) The majority of Western ideologists regard the ecological problem as one of the insoluble global problems of our time.
- 19) In contrast of the previous extinctions of species, which were due to the change of climate and sea level, the last one has begun because of misuse of the earth's resources.
- A gradual increase in temperature will transform fertile regions into arid ones, raise level of water in the ocean and produce a flooding of coastal lands.

Таблица 8 Многофункциональные слова "that", "those" и "this", "these"

Функция и значение	Примеры	Перевод
1. Указательное местоимение «тот», «те».	Those methods are used in manufacturing process.	Эти (те) методы используются в про- изводственном процессе.
2. Словозаменитель. Переводится тем существительным, которое заменяет. Иногда опускается при переводе.	The efficiency of the old apparatus is low compared with that of the new device.	Производительность старого прибора низкая по сравнению с производительностью нового устройства.
3. "that" – союзное слово «который».	The device that was installed in our laboratory is efficient.	Устройство, которое было установлено в нашей лаборатории, эффективно.
4. "that" – союз «что», «чтобы».	One can say that this machine is the most useful.	Можно сказать, что эта машина - са- мая нужная.
	"this", "these"	
1.Указательное местоимение «этот», «эти».	These systems will be installed in our mill.	Эти системы будут установлены на нашем заводе.
2. "These" – они, заменитель существительного.	The elements of the periodic group IA are called "the alkali metals". These are alive in having a single electron on the outmost shell.	Элементы периодической группы IA называются «щелочными металлами». Они сходны с тем, что имеют по одному электрону на внешней оболочке.

- 1. The liquid was mixed with water at a concentration 20 times stronger than that used for sterilization of food processing plants.
- 2. This system is of course very incomplete compared with that in a natural recipient.
- 3. NaOH in excess of that required for the extraction stages is added to the bleach plant filters prior to reuse on the brown stock washer.
- 4. After the aeration, the four spent liquors were characterized in a manner similar to that adopted for the fresh liquors.
- 5. In most industrial wastewaters, data can be obtained that show the relation between waste load and industrial output.
- 6. The productivity per unit of the working population in the USA is three times greater than that of Colombian workers.
- 7. The suspended solids are those removed in filtration through a standardized line medium.
- 8. It may be claimed that the state of the Baltic Sea is one of the most important common environmental problems for the countries in Northern Europe.
- 9. The suspended solids can be classified on a basis of their settleability. Those that are settleable should be removed in sedimentation tanks.
- 10. Advanced biomass gasification changes the way that biomass residuals are used in the generation of steam and power.
- 11. An average American's environment impact is 30 to 50 times that of average citizen of a developing country, as India.
- 12. The cost of the necessary processing of the wastewater must be less than that of treating alternative supplies.
- 13. One of the most pressing problems facing the mill was that of effluent color.
- 14. The specific facilities may be substantially higher than those previously constructed.

- 15. The kappa factor for the high consumption bleach plant is greater than that of low consumption plants.
- 16. The BOD of the effluent is not to reduce the oxygen level in the receiving water below that necessary no enable the best use of them.
- 17. Chemistry lies in the centre of our efforts to produce new material, that make our lives safer and easier to produce new sources of energy that are nonpolluting and to control many diseases that threaten us.
- 18. It is obvious that heavier industrial use of the available water must be accompanied by greater treatment to ensure that level of toxic chemicals do not accumulate and become harmful.
- 19. Settleable solids are those which settle under necessary conditions within one hour under the influence of gravity.
- 20. Now mills are beginning to use chemical oxygen demand to measure those chemicals that consume chlorine dioxides in the first stage of bleaching.

Таблица 9 Многофункциональное слово "it"

Функция, значение	Примеры	Перевод	
1. Личное местоимение «он», «она», «оно» (заменяет неодушевленное существительное).	A new method of pollution abatement of water is worked out at our mill. It gives a water of better quality.	Новый метод уменьшения загрязнения воды разработан на нашем заводе. Он дает воду лучшего качества.	
2. Указательное местоимение «это» (заменяет предыдущее предложение).	The temperature is rising slowly. It means that	Температура поднимается медленно. Это означает, что	
3. Формальное подлежащее безличного предложения. Самостоятельно не переводится.	It is common practice It is essential It is impossible It is important It is expected to use this method.	Обычно принято Существенно важно Невозможно Важно Ожидается (использование этого метода).	
4. Формальное дополнение после некоторых глаголов. Самостоятельно не переводится.	The method makes it possible to obtain good productivity.	Метод делает возможным получить хорошую производительность.	
5. Часть выделительной конструкции "it isthat (which)". Переводится «именно», «это» и т.д. (См. табл. 8).	It is in our laboratory that the new method was worked out. It was not until 1950 that the new equipment entered into practice.	Именно в нашей лаборатории был разработан новый метод. Только в 1950 году новое оборудование вошло в употребление.	

- 1. The suspended solids content is important because it determines the sludge handling requirements of the plant. Those for dewatering and drying the sludge as well as for the final disposal.
- 2. It is at the end of the 19th century that the rapid growth and modernization of the towns transformed the traditional social water problems to modern environmental ones.
- 3. During the recent decades the urban watercourses have become considerably cleaner and today it is again possible to swim.
- 4. It is only recently that the problem of environmental history of pollution and protection of the seas and oceans has begun to be extracted.
- 5. The BOD is a measure of the organic matter present in wastewaters. It is determined by measuring the amount of oxygen absorbed by a sample of the wastewater under prescribed conditions.
- 6. It is to be expected that load distribution is influenced by the relative temperature of pond water and wastewater.
- 7. It is what we do with knowledge that really matters.
- 8. The COD is a measure of the strength of wastewater. It is a measure of the oxidation requirement of a sample under prescribed conditions.
- 9. Until recently it has been thought that bleaching shives are followed by high chlorine residual.
- 10. The earth is not undestructable, but highly vulnerable and delicately balanced system, it can easily be damaged.
- 11. It must be stressed that the application of BOD data is not simple and knowledge of the behavior of the receiving water is necessary.
- 12. It is from soil, water, rocks and air that come all materials that support our bodies and build our civilization.
- 13. The degree of man's mastery over the earth is dependent on his understanding of it.

- 14. It is becoming increasingly clear that man cannot and must not use his tremendous power so carelessly.
- 15. The Baltic sea is an especially sensitive sea because it is a semi-enclosed body of water that receives many pollutants from surrounding countries.
- 16. It was in 1960s that sewage treatment works were constructed on a more massive scale in Western countries.
- 17. It is the growing use of artificial fertilizers that has increased the problem of pollution of environment.

Причастия

Вид причас-	Функция в предложении и перевод			
ТИЯ	часть сказуемого	определение	обстоятельство	
1. Participle I Active voice solving writing	He is solving a problem. Он решает задачу. (Для образования времен группы Continuous. Самостоятельно не переводится).	The engineer solving this problem works hard. Инженер, решающий эту задачу, много работает. We tested the device showing the disturbances. Мы проверили прибор, показавший нарушения в работе. (Причастие на -щий, -вший).	(When, while) solving the problem he read many books. Решая задачу, он прочитал много книг. (Деепричастие на -а, -я).	
2. Participle I Passive voice being solved being written	The problem is being solved. Задача решается. (Для образования группы времен Continuous пассивного залога. Самостоятельно не переводится).	The problem being solved was difficult. Решаемая задача была трудной. (Причастие на -емый, -имый).	(While) being solved, the problem offered some unexpected aspects. Когда ее решали (при решении), задача представила некоторые неожиданные стороны. (Придаточное обстоятельственное предложение; существительное с предлогом).	

Окончание табл. 10

Вид причас-		Функция в предложении и пер-	евод
ТИЯ	часть сказуемого	определение	обстоятельство
3. Participle II Passive voice solved written	 Не has solved the problem. Он решил задачу. (Для образования времен Perfect. Самостоятельно не переводится). Тhe problem is solved. Задача решена. (Для образования пассивного залога. Самостоятельно не переводится). 	Тhe problem solved turned out to be fundamental. Решённая задача оказалась фундаментальной. The problem discussed yesterday is very important. Проблема, обсуждавшаяся вчера, очень важна. (Причастие на -щийся, -мый, -ный, -тый, -вшийся).	If solved, the problem will offer numerous consequences. Если ее решить, задача будет иметь многочисленные последствия. (Обстоятельственное придаточное предложение).
4. Perfect Participle active voice having solved having written	_	_	Having solved the problem he left the classroom. Решив задачу, он ушел из класса. (Деепричастие на -ив, -ав).
5. Perfect Participle Passive voice having been solved having been written	_	_	Having been solved, the problem offered some unexpected consequences. После того как задача была решена, обнаружились некоторые ее неожиданные следствия. (Придаточное обстоятельственное предложение).

- 1. The amounts of grease normally found in wastewater are not troublesome.
- 2. The increasing regulation will force secondary treatment to become standard procedure.
 - 3. The press section has one suction press followed by two grooved press.
- 4. For every ton of wood processed 90-95% is converted to pulp.
- 5. Dissolved solids are the solids in the filtrate obtained after removal of the suspended solids.
 - 6. The area covered by sea ice is decreasing.
 - 7. The world's natural underground reservoirs are diminishing rapidly.
- 8. The most important factor influencing the quality of water is the nature of wastes reaching water sources.
- 9. The vacuum is controlled by a single system consisting of two vacuum pumps connected in parallel.
- 10. The two plants combined reduced the BOD by 25% largely through the removal of hexose sugars by fermentation process.
- 11. When used, these chemical substances should be added to the sample bottle, so that all the composite is preserved as soon as collected.
- 12. Renovation of Bleach Plant "A" results in a substantial saving in steam and water consumed and a decrease in effluent produced.
- 13. The typical first stage of chlorine dioxide bleaching is operated at low consistency reflecting the transition from chlorine to chlorine dioxide.
- 14. Wastewater collection and disposal comprise a necessary investment in the capital that is required for the activities associated with a healthy economy.
- 15. When biomass is used as a feedstock for the production of power or fuels it can meet energy needs while offering an advantage over other sources of fuel.
- 16. The washed pulp leaving the washer at 14% consistency is re-slurred with water and stored in another tank.

- 17. Urban areas export their wastes and pollutants affecting environmental conditions far from the cities themselves.
- 18. The washers are now operating satisfactorily, processing approximately 280 t. of pulp per day.
- 19. The liquors from the filter is very high in BOD and when returned to the treatment plant reduces the capacity of the secondary system.
- 20. The sequence involves the use of a sodium hypochlorite first stage followed by a mild caustic extraction stage.

Независимый причастный оборот

Примеры	Перевод
1. The problem being difficult, they worked hard.	Так как задача была трудная, они работали много.
2. The experiment being carried out, he cannot leave the laboratory.	Так как (когда) эксперимент идет, он не может уйти из лаборатории.
3. With the results being different, the scientists had to repeat their experiments.	Так как (поскольку) результаты были разными, ученые должны были повторить эксперимент.
4. He read two articles on this subject, <i>the latter being more interesting</i> .	Он прочитал две статьи на эту тему, <i>причём</i> последняя была более интересная.

Оборот образуется разными причастиями; имеет самостоятельное подлежащее, отличающееся от подлежащего главного предложения; причастие переводится личной глагольной формой; оборот отделяется запятой. Если независимый причастный оборот находится в начале предложения, то перевод начинается с союзов «так как», «если» или «когда». Если независимый причастный оборот находится в конце предложения, (т.е. после запятой), то перевод начинается со слов «причём», «при этом», «и», «а».

- 1) Solid concentration being often below 5%, large volumes of sludges must be handled.
- 2) Activated sludges being very bulky, large volumes may be handled.
- 3) The total solids in a water sample is the residue on evaporation of the sample at 103-105°C, any low boiling compounds in the water being lost during this test.
- 4) Tastes and odors being the result of organic matter, minerals, specific compounds, such compounds become a nuisance at very low concentration.
- 5) The water-use cycle is a closed loop, water being conserved on our planet.
- 6) Future industrial growth will be restricted largely to region having adequate water supply, industry being the largest user of water.
- 7) Technology in water treatment field evolving rapidly, the profound knowledge of fundamentals will permit to adapt more rapidly to new process.
- 8) More chlorine atoms than sodium atoms being used for treating the pulp, sodium hydroxide must be added to avoid depleting the cycle of sodium.
- 9) The fermentor was emptied into small five gal.-containers, the yeast being separated in a centrifuge.
- 10) Effluents neutralization requirements being decreased, the amount of acid resulting from chlorination is decreased too.
- 11) Aeration helped mixing, its primary function being to increase the dissolved oxygen in the sewage yeast solution.
- 12) Chlorine dioxide providing the necessary oxidizing power for bleaching, fewer chlorine atoms are introduced and less purchased caustic soda is necessary.

- 13) The existing Kraft mill being adapted to closed-cycle process, these reductions in discharges will be even greater.
- 14) Over-chlorination resulting in severe degradation of the pulp strength, control of chlorine dosage is particularly important.
- 15) The suspended solids are classified as fixed and volatiles, the latter being the organic material.
- 16) Most solids above 10 microns can be removed by filtration and sedimentation, those below 1 micron in size requiring more advanced separation process.
- 17) Biological assimilation take place over a period of days and weeks, it rate depending on the nature of the waste, the water temperature and the concentration of oxygen.
- 18) Industrial wastes having a broader nature range of characteristics than domestic wastes, they are treated by a wider variety of processing schemes.
- 19) Most contaminants in waste-water being present in low concentration, the treatment processes must be able to function effectively with dilute streams.
- 20) Clarification and sedimentation occurring in any sedimentation basin, both functions should be considered in the design.

Герундий

Функция в предложении	Примеры	Перевод
1. Подлежащее	Removing the impurities from the water is a very important problem.	Удаление (удалять) примеси из воды – очень важная проблема. (Инфинитив, существительное).
2. Часть сказуемого	The main task is avoiding the pollution of water.	Главная задача — избегать загрязнения воды. (Существительное, инфинитив).
3. Прямое дополнение	The production requires utilising a new method.	Производство требует использования (использовать новый метод) нового метода. (Инфинитив, существительное)
4. Определение (обычно с предлогом of, for после существительного)	The property of influencing the pollution is studied carefully.	Свойство влиять на загрязнение изучается тщательно. (Инфинитив)
5. Обстоятельство (обычно с предлогами: in — при, в то время как, on (upon) — по, после, after — после, before — перед, by — творит. падеж, instead of — вместо того чтобы, for — для и т.д.	The operator examined the machine without diminishing its speed.	Оператор осмотрел машину без замедления (не замедляя ее скорость) ее скорости. (Существительное, деепричастие).

- 1. The undesirable effect of pollution makes using renewable energy sources.
- 2. By increasing the acidity of surface waters acid rain can kill fish and other fresh water life.
- 3. Recycling this effluent to the recovery boiler is not feasible because of extremely high sodium chloride load.
- 4. The combination of hot and cold water is used for washing on the brown stock decker and dilution in the repulper screw.
- 5. Making the filtrate alkaline suppresses chloride corrosion of stainless steel.
- 6. Activated sludge systems are well suited to handling dilute wastewaters such as domestic sewage which contain both soluble and suspended organic matter.
- 7. Thickening of dilute sludges can achieve significant reductions in volume.
- 8. The wastewater load in an industrial plant often can be reduced by recirculating slightly less polluting chemicals or processes and recovering selected contaminants as by-products or for reuse.
- 9. The many types of solids standards for the wastewater prevent sludge blankets from being deposited and minimize the carbon sources for bacteria in the stream.
- 10. We have to meet the needs of an increasing world population by irrigating more of the unproductive areas and fulfilling the demands for an even greater industrial output.
- 11. The stock enters a surge chest for further dilution with filtrate and then, on being pumped out, is diluted with chlorination filtrate.
- 12. The proof test of the sterilization unit consisted of inoculating treated sewage in a nutrient medium and then incubating for 48 hours.

- 13. The discharge of effluents from the cellulose industry has successively decreased in Sweden. This has been achieved by closing down old sulfite mills and improving the efficiency of pulp washing.
- 14. These objectives can be achieved without adversely affecting pulp quality or significantly changing overall chemical consumption.
- 15.It is necessary to balance the requirements of growing population with the necessity of conserving earth's resources.
- 16.Improved fiber retention and better in-plant utilization of raw materials are effective means of reducing or controlling mill discharges.
- 17. Operating with optimized consumption of chemicals can provide bleaching cost advantage.
- 18.Switching to biomass resources would provide a way to reduce overall CO₂ emission by cutting back on the use of fossil fuels.
- 19. The Kappa number for conventionally delignified pulps is 17,5 on entering the bleach plant.
- 20.On leaving the primary settlers the waste water enters one end of a rectangular tank along with the recycled sludge.

Инфинитив

Функция в предложении	Примеры	Перевод
1. Подлежащее	To overcome pollution prob-	Решить три распылителя необходимо для эффектив-
	lem is necessary.	ной работы топки.
	·	(Инфинитив, существительное).
2. Часть сказуемого:	a) Their aim is to improve the	а) Их цель – (состоит в том, чтобы) улучшить спо-
а) После глагола-связки "is"	ways of solving the environ-	собы решения экологических проблем.
с существительными "aim",	mental problems.	(Инфинитив).
"purpose", "idea" и т.д.	b) You have to improve the	b) Вы должны улучшить способы решения экологи-
b) После модального глагола	ways of solving the environ-	ческих проблем.
to be+to, to have+to и др.	mental problems.	
3. Дополнение	The operator prefers to use the	Оператор предпочитает использовать (использова-
	new system.	ние) новую систему.
	•	(Инфинитив, существительное).
4. Определение	a) They have the possibility to	а) У них есть возможность использовать эту систему.
	use this system;	(Инфинитив, существительное).
	-	b) Новое оборудование, которое должно быть (будет)
	b) The new equipment to be	использовано в нашей лаборатории, только что при-
	used in our laboratory has just	было.
	arrived;	(Определительное придаточное предложение со ска-
		зуемым, выражающим действие, которое должно
	c) He was the first to begin this	<i>быть</i> или <i>будет</i> совершено).
	experiment.	с) Он первым начал этот эксперимент.
5. Обстоятельство	To protect the environment,	Чтобы защитить окружающую среду, вы должны
	you must have good knowledge	хорошо ее знать.
	of it.	(Инфинитив с союзами чтобы, для того чтобы).

- 1. To solve the filtration problem, a special process has been developed.
- 2. To solve the filtration problem means to use elevated temperature for cooking.
- 3. It may help economists to learn to use the resources more effectively and to conserve them in order to assure continued use in future.
- 4. It is necessary to know the quality of the raw wastewater to be expected at the treatment plant.
- 5. Secondary wastewater treatment generally involves a biological process to remove organic matter through biochemical oxidation.
- 6. The program included a system to increase the recovery of waste sulphate liquor and an installation to evaporate and incinerate the waste stream.
- 7. An additional requirement to be satisfied by waste water for industrial use is that the quality should not be highly variable.
- 8. Existing bleach plants can be renovated to decrease effluent volume and to take advantage of steam and water savings.
- 9. The design of wastewater collection and treatment facility is a function of the quantity of wastewater to be handled.
- 10. The salt recovery system is designed to handle 500 gr/m of white liquor to recover 4500 lb. of salt per hour.
- 11.To preserve the environment of our planet development and industrial growth in the world must be sustainable.
- 12.To eliminate spill discharging from the mill the company has installed an elaborate system consisting of three underground collection tanks.
- 13. The high temperature, high pressure steam is expanded through a steam turbine to produce electric power.
- 14. Criteria are the scientific requirements which a water source must meet in order to support a designated use.

- 15.To comply with effluent standards the wastewater must be purified to it discharge.
- 16.It is the first bleached Kraft pulp mill to recycle and recover all bleach plant filtrate.
- 17. Activated carbon can be employed either in granular or powdered state to effect complete treatment of wastewater.
- 18.To properly design and build many facilities for chemical pulp mills, the engineers analyze the existing process systems.
- 19. The specific methods to be included were: chemical clarification, dual media filtration and carbon absorption.
- 20.A ten points program was established in 2000 to investigate a number of sludge disposal alternatives.

Инфинитивные обороты. І. Сложное подлежащее

			Перевод	
Примеры		Переводится двумя способами: 1. Простым предложением с вводным словом, соответствующим сказуемому английского предложения.		
Heat	is known is likely is certain is found is reported is assumed is considered is expected appears seems proved	to be a form of energy.	Известно, Вероятно, Несомненно, Обнаружено, Сообщают, Допускается, Считается, Ожидается, Оказывается, Кажется, Доказано,	что тепло – это форма энергии.
(2)	(1)	(3)	(1),	(2) (3)
			очным предложением с союзами «что», ереводится личной глагольной формой.	
Heat is known to be a form of energy. (2) (1) (3)			Тепло, как известно, является (2) (1) (3)	формой энергии.

Инфинитивные обороты. И. Сложное дополнение

Примеры	Перевод
 They want (like) the plan to be fulfilled. * They see (hear) the engineer leave the room. * They order, allow (let), cause, force (make) this fuel to arrive (arrive) immediately. 	 Они хотят, чтобы план был выполнен. Они видят (слышат), что инженер уходит из комнаты. Они приказывают (позволяют, заставляют), чтобы это топливо прибыло немедленно.
* После глаголов чувственного восприятия (see, hear, feel и т. д.), а также глаголов let, make, have используется инфинитив без частицы "to".	Переводится придаточным предложением с союзами «что», «чтобы», «как». Инфинитив переводится личной глагольной формой.

Упражнение 1

- 1. The material seems to be resistant.
- 2. The treatment facility is expected to start in August.
- 3. The operation is believed to be the world's first operation of a gas turbine on 100% biomass derived gas.
- 4. Removal dewatering and burial of slug have been found to be the most practical and economic method of disposal.
- 5. The world's population is likely to be significantly older with the medium age.
- 6. Two of every three species of plants and animals are estimated to be in decline.
- 7. Unchecked consumption and rapid population growth are likely to overwhelm technological improvement in affecting the environment.
- 8. The very high level of air pollution of Eastern Europe is known to have caused serious health problems.
- 9. Water is likely to become a growing competition between nations.
- 10.Unburned hydrocarbon fragments help to form smog and are believed to be carcinogenic.
- 11.Proper water management has been shown to be essential of an upward spiral of improved health and social and economic development.
- 12. From the beginning an employee is taught to equate environmental protection with production and safety.
- 13.Because of the high inorganic content of the waste the oxidative fluidized bed process was considered to be the most successful.
- 14. The production of yeast from one-celled organism in waste seems to be one way to get a useful by-product.
- 15. Chlorine dioxide has been found to protect pulp viscosity not only at normal chlorine dosages, but to at even greater extent.

- 16.Individual wastes are more likely to contain toxic and non-biodegradable components that require physical and chemical instead of biological treatment.
- 17. We know the average global surface temperatures to have risen by 0,6°C in the last 140 years.
- 18. The government announced new proposals to struggle against deforestation.
- 19. Scientists believe the ocean to have become slightly more acidic over the last century.
- 20. The scientists say their research show present day warning to be exceptional.
- 21.It could take much longer than expected for the ozone "hole" over Antarctica to repair itself.

Таблица 15 Бессоюзные придаточные предложения

Вид предложения	Примеры	Перевод	
1. Дополнительное придаточное предложение	That means he can begin to control the operation.	Это означает, что он может начать управление процессом.	
2. Определительное придаточное предложение	Low consumption of energy is one of the advantages <i>this device is known by</i> .	Низкое потребление энергии – одно из преимуществ, которыми характеризуется это устройство.	
3. Условное придаточное предложение с инверсией с глаголами were, had, could, should	Were one electron removed, a positive charge would be left.	Если бы один электрон был удален, остался бы положительный заряд.	

- 1. The kind of energy we are most familiar with is mechanical energy.
- 2. This was one of the questions we tried to answer in a recent study of activated carbon technology.
- 3. Experiments show biochemical oxidation is a slow process and complete breakdown may take up to 100 days.
- 4. The more material wealth people create, the more they realize the biosphere is changing as a result of productive activity.
- 5. Millions of people were driven out of home and from the plots they filled.
- 6. Should an epidemic occur, it could spread equally easy through other media that water.
- 7. Carbon dioxide comes in large quantities from fossil fuels burnt to provide the energy we need to run our home, transport etc.
- 8. The benefits the biomass gasification offers to users improved environmental characteristics and reduced capital investment.
- 9. If properly carried out the 5 days BOD test gives a good indication of the effect an effluent has on the oxygen balance of any receiving water.
- 10.If the greenhouse gases were not present, all of the heat the Earth radiates would be lost into space.
- 11.Lowered activated carbon: what is its future? This was one of the questions we tried to answer in our study.
- 12. The main difficulty they faced in construction was having to put this new process into existing plant.
- 13. The mill is convinced it has achieved pollution free mill by recycling bleach plant effluent, removing salt from the white liquor and eliminating external treatment facilities.
- 14. Could the modern pulp and paper mills minimize losses from the process and treat mill effluents efficiently, their impact on the environment would be minimal.

- 15.In many of the cases the scientist will have to consider the magnitude of velocity is of importance.
- 16. When the point of force is applied at moves, work is done.
- 17. The major categories of water pollution the pulp and paper industry suffers the most are effluents, solids, oxygen demand, toxicity and color.
- 18. The five days BOD test gives a good indication of the effect an effluent has on the oxygen balance of any natural receiving water.
- 19. Everybody knows the mechanical and electrical inventions physics has given us are applications of physical principles.
- 20. The physical state of a body is dependent on the temperature and the pressure it is subjected to.
- 21. Could these obstacles be removed economically, non sulfurous alkali pulping could be adopted by the industry in a short period of time.
- 22. Were the surface of the Earth uniform, there would be three parallel zones of precipitation higher than the average.
- 23. Should the task be difficult, he would help you.
- 24. Should the machine be equipped with new rolls, its efficiency would be greater.
- 25. Should they use the necessary instruments, the measurements would be always correct.

Типы условных предложений

Реальные условия	Не вполне реальные условия	Нереальные условия			
1. Союзные (с союзами if – если, provided (that), providing (that), supposing (that), on condition (that) – при условии что)					
If he goes to bed early, he will get up early. Если он ляжет спать рано, то и встанет рано. Времена: после союза — Present Simple, в главном — Future Simple.	If he went to bed early in summer, he would get up early. Если бы он ложился спать рано летом, то и вставал бы рано. Времена: после союза — Past Simple, в главном — Would + Infinitive	If he had gone to bed early yesterday, he would have got up early. Если бы он лег спать рано вчера, то и встал бы рано. Времена: после союза — Past Perfect, в главном — Would + have + Participle II.			
2. Бессоюзные (с инверсией – в начале предложения: had, were, could, should)					
	Could he swim well, he would take part in the competition. Если бы он хорошо плавал, то принял бы участие в соревновании.				

- 1. If water reuse is to be widely practiced, the nitrogen, phosphorus and dissolved solids will have to be removed.
- 2. Protection against viscosity loss will apply at higher temperature, provided the pulp is not overchlorinated.
- 3. If all the chlorination filtrate were recycled to brown stock washing, calcium, insoluble in black liquor, would rapidly accumulate in the filtrate.
- 4. Unless the company introduced a new waste disposal system to incinerate bark wood room debris, its abatement program would not be more successful.
- 5. The factor of safety would be added, if the sewage were heated to 250°F for 30 minutes.
- 6. Provided the sewage were heated in the reservoir prior to the settling process, some solid organic nutrients could be dissolved.
- 7. The heat losses would be minimized, provided the outside of pressure vessel were insulated with one of thick fiberglasses.
- 8. Unless a batch fermentation process were used, it would not minimize the complexity of the pilot system.
- 9. If newer treatment operation improved the efficiency of conventional process, the current water pollution standards were satisfied.
- 10.If special practical tests could be used, we would know whether or not a waste or waste component was toxic.
- 11.Provided we were able to know what "once living" people have done in the past in this very location, we could understand our present environmental situation.
- 12.If the main purpose of the operation were to produce an effluent stream with low suspended solids, the vessel should be called a clarifier.

- 13.If the growth and havesting of genetically enhanced biomass crops for fuel and chemical production is realized, it can contribute to the economic growth of an area.
- 14. Wastewater collection enjoys a higher priority than wastewater treatment because the community health is improved even if the collected wastewater is discharged untreated into a receiving stream or the ocean.
- 15.Provided the engineer analyzed the existing process system with the aim of reducing mill wastes as much as possible, they would design and build proper facilities for chemical pulp mills at the lowest cost.
 - 16. If the biomass gas treatment facilities have stood alone, the char burner heat would have been utilized for high pressure steam production.

СЛОВАРЬ

Сокращения: части речи

сокращение	означает	перевод
a (adj) adv cj (conj) n part pl prep	adjective adverb conjunction noun participle plural preposition	имя прилагательное наречие союз имя существительное причастие множественное число предлог
pron	pronoun	местоимение
V	verb	глагол

Слово	Транскрипция	Перевод
Ability	[əˈbɪləti]	Способность
Access	[ˈækses]	Доступ
According to	[əˈkɔːdɪŋ tuː]	Согласно
Acknowledge	[əkˈnɒlɪdʒ]	Признавать
Acquire	[əˈkwaɪə(r)]	Приобретать
Add	[æd]	Добавлять
Advanced	[əd'va:ns t]	Передовой
Adversely	[ˈædvɜːsli]	Обратно
Affect	[əˈfekt]	Влиять
Alum	[ˈæl.əm]	Квасцы
Amount	[əˈmaʊnt]	Количество
Application	[ˈæplɪˈkeɪʃn]	Применение
Apply	[əˈplaɪ]	Применять
Area	[ˈeəriə]	Область, площадь
Arid	[ˈær.ɪd]	Засушливый
Artificial	[a:ti'fisl]	Искусственный
Assessment	[əˈses.mənt]	Оценка
Associate	[əˈsəʊʃieɪt]	Связывать
Attention	[əˈtenʃn]	Внимание
To give a	[tu: giv ei]	Обратить внимание
Available	[ə'veiləbl]	Имеющийся, доступный
Avoid	[bicv'e]	Избегать
Basin	['bei.sən]	Бассейн, отстойник
Equalization basin	[ˌiːkwəlaɪˈzeɪʃən ˈbeɪsn]	Уравнительный бассейн

Storage basin	['sto:ridg 'beisn]	Бассейн для хранения
Batch	[bætʃ]	Партия
Batch Fermentation	[bætʃ fɜːmɛnˈteɪʃən]	Прерывная ферментация
Become-became-become	[biˈkʌm]	Становится
Bed	[bed]	Слой
Behavior	[bi'hei.vjər]	Поведение
Believe	[bɪˈliːv]	Верить
Belt	[belt]	Ремень
Beneficial	[ben.i fis.əl]	Полезный
Blanket	[ˈblæŋ.kɪt]	Одеяло, покров
Bleach	[bli:t[]	Отделка, отбеливать
Body	[ˈbɒdi]	Тело
Body of water	[ˈbɒdi ɒv ˈwɔːtə]	Водоем
Boil	[boil]	Кипеть, кипятить
Brightness	['braitnis]	Яркость
Broadly	[ˈbrɔːdli]	Широко, в целом
Bulky	[ˈbʌl.ki]	Громоздкий
Burial	['ber.i.əl]	Захоронение
Burn	[b3:n]	Сгорать
By-product	['baɪ prad əkt]	Побочный продукт
Capacity	[kəˈpæsəti]	Производительность,
		мощность, емкость
Change	[tseindz]	Изменение, изменять
Char		Древесный уголь
Charges	[tʃaːdʒ]	Плата
Chest	[tsest]	Бассейн
Chlorination		Хлорирование
Chlorine	['klo:.ri:n]	Хлор
Circle	['s3:kl]	Круг, летать вокруг
Clarification	[klær.i.fi kei.ʃən]	Осветление
Closely	[ˈkləʊs.li]	Тщательно
Closing	[ˈkləʊ.zɪŋ]	Закрытие
Collect	[kəˈlekt]	Собирать
Color	[ˈkʌl.ər]	Цвет
Combination	[kɒmbɪˈneɪʃn]	Соединение
Community	[kəˈmjuːnəti]	Селение
Complete	[kəmˈpliːt]	Закончить
Composite	[ˈkɒm.pə.zɪt]	Состав, смесь
Component	[kəmˈpəʊ.nənt]	Компонент
Comply	[kəm'plaɪ]	Согласоваться, подчи-
		няться
Comprise	[kəmˈpraɪz]	Включать

Conclude	[kənˈkluːd]	Сделать вывод
Consistency	[kənˈsɪs.tən.si]	Концентрация
Constitute	['kɒn.stɪ.tjuːt]	Составлять
Consume	[kənˈsjuːm]	Потреблять
Contain	[kənˈteɪn]	Содержать
Contaminant	[kənˈtæm.ɪ.nənt]	Загрязняющее вещество
Contaminate	[kənˈtæm.ɪ.neɪt]	Заражать
Content	['kpntent]	Содержание
Continued	[kənˈtɪn.juːd]	Непрерывный
Contribute	[kənˈtrɪbjuːt]	Способствовать
Conventional	[kənˈvenʃənl]	Обычный
Cooking	[ˈkʊkɪŋ]	Варка
Convert	[kənˈvɜːt]	Превращать
Cool	[ku:1]	Охлаждаться
Cost	[kpst]	Стоимость
Costal	[ˈkɒs.təl]	Прибрежный
Cover	['kʌvə(r)]	Покрывать
Countryside	[ˈkʌntrisaɪd]	Загородная местность
Current	[ˈkʌrənt]	Поток
Cut	[kʌt]	Резать
Cut back	[kʌt bæk]	Повторить, обратиться
Damage	[ˈdæmɪdʒ]	Ущерб
Debris	['deb.ri:]	Мусор, остатки
Decker	[dekə]	Сгуститель
Decline	[dɪˈklaɪn]	Упадок
Deforestation	[diːˌfɒr.ɪˈsteɪ.ʃən]	Вырубка леса
Degradable	[dɪˈgreɪdəbl]	Разлагаемый
Deliver	[(r)evil'ib]	Подавать
Demand	[dɪˈmɑːnd]	Спрос ,способность,
		просить
Dense	[dens]	Плотный
Deplete	[dɪˈpliːt]	Истощать, очищать
Depletion	[dɪˈpliː.ʃən]	Истощение, очищение
Deposit	[dı'pɒzɪt]	Осаждаться
Deposits	[dɪˈpɒz.ɪt]	Залежи
Design	[dı'zaın]	Проект, чертеж, проек-
		тировать, предназначать
Designate	['dez.ig.neit]	Обозначать
Destruction	[dɪˈstrʌkʃn]	Разрушение
Detergent	[dı'ta:.dʒənt]	Дезинфицирующее
		средство
Deteriorate	[dıˈtɪə.ri.ə.reɪt]	Ухудшать
Determine	[dɪˈtɜːmɪn]	Определять

Detrimental	[det.ri men.təl]	Вредный
Dewatering		Обезвоживание
Dilute	[daɪˈluːt]	Растворять, разводить,
	-	разбавленный
Discharge	[dɪsˈtʃɑːdʒ]	Разгружать
Discharging	[dis'tsa:d3]	Разгрузка, выброс
Discover	[dıˈskʌvə(r)]	Открыть
Disposal	[dɪˈspəʊ.zəl]	Очистка, удаление
Dissolve	[dɪˈzɒlv]	Растворять
Drain	[drein]	Осушать
Drive	[draɪv]	Двигаться, вести
Drying	[ˈdraɪɪŋ]	Сушка
Due	[djuː]	Благодаря
To be due to	[tuː biː djuː tuː]	Объясняться
Dump	[dʌmp]	Свалка, сбрасывать
Efficiency	[ɪˈfɪʃ.ən.si]	Эффективность
Effluent	['ef.lu.ənt]	Сток
Elevated	['el.ɪ.veɪ.tɪd]	Повышенный
Eliminate	[I'lım.ı.neit]	Удалить
Emission	[rˈmɪʃ.m]	Выброс
Empty	['empti]	Опорожнять, выливать
Enclose	[ɪnˈkləʊz]	Закрыть
Engineering	[ˌɛnʤɪˈnɪərɪŋ]	Техника
Enjoy	[ɪnˈdʒɔɪ]	Пользоваться чем-либо
Enrich	[in'ritʃ]	Обогащать
Ensure	[ɪnˈʃʊə(r)]	Обеспечить
Environment	[ın'vaırənmənt]	Окружающая среда
Equate	[ı'kweit]	Равнять, уравнивать
Estimate	['estimət]	Оценивать
Evaporate	[ı'væp.ər.eit]	Испарять
Event	[I'vent]	Событие
Evolve	[ı'vɒlv]	Развиваться
Exceed	[ɪkˈsiːd]	Превышать
Except	[ıkˈsept]	Кроме
Expand	[ik'spænd]	Расширять(ся)
Expect	[ık'spekt]	Ожидать
Expand	[ık'spænd]	Расширять(ся)
Expense	[ık'spens]	Расход
Extent	[ik'stent]	Степень
Extinction	[ɪkˈstɪŋk.ʃən]	Вымирание
Extraction	[ıkˈstræk.ʃən]	Выделение, удаление
Face	[feis]	Стоять перед чем-либо
Facility	[fəˈsɪləti]	Устройство, оборудова-

		ние
Fall	[fo:1]	Падение
Feasible	[ˈfiː.zə.bl]	Возможный
Feedstock	[ˈfiːdstɒk]	Исходное сырье
Fertile	[ˈfɜː.taɪl]	Плодородный
Fertilizer	[ˈfɜː.tɪ.laɪ.zər]	Удобрение
Fiberglass	[ˈfaɪ.bəˌglɑːs]	Стекловолокно
Field	[fi:ld]	Область
Finger	[ˈfɪŋgə(r)]	Рисунок
Filtrate	['fıl.treıt]	Фильтрат
Find	[faind]	Найти
Fine	[fain]	Оштрафовать
Fixed	[fikst]	Застойчивый, непод-
1 11100	[IIIISt]	вижный
Fixtures	[ˈfɪks.tʃər]	Приборы
Flavoring	['flei.vər]	Пахучий
Flight	[flart]	Полёт
Flooding	['flad.in]	Затопление
Flour	['flavə(r)]	Течь
Fluid	['flu:id]	Жидкость
Fuel	[ˈfjuːəl]	Топливо
Fulfill	[ˈfjuːəl]	Выполнять
Fume	[fju:m]	Дым
Gasifier	[ˈgæsɪfaɪə]	Газификатор
Goal	[gavl]	Цель
Grade	[greid]	Сорт
Gravity	['græv.ı.ti]	Сила тяжести
Grease	[gri:s]	Жир
Goods	[godz]	Товары
Grow	[grav]	Расти
Grouth	[groo]	Рост
Habitat	['hæb.ɪ.tæt]	Место распространения
Handling	['hænd.lɪŋ]	Обработка, обращение с
Tunding	[næna.mj]	чем-либо
Health	[hel\theta]	Здоровье
hold	[həʊld]	Держать, вмещать
Hydrogen	['har.drr.dʒən]	Водород
Immense	[I'mens]	Огромный
Impact	['impækt]	Воздействий
Impurities	[ımˈpjʊə.rɪ.ti]	Примеси, загрязнения
Incinerate	[in sin.ər.eit]	Сжигать
Incineration	[Insinəˈreɪʃən]	Сжигание
Incorporate	[in'kə:.pər.eit]	Включать
meorporate	[m kəpər.en]	DIMINGIB

Increase	[in'kri:s]	Увеличивать(ся)
Incubate	[ˈɪŋ.kjʊ.beɪt]	Выдерживать
Inflict	[ınˈflɪkt]	Нанести (удар)
Inhabitant	[ɪnˈhæb.ɪ.tənt]	Житель
Inoculate	[ɪˈnɒk.jʊ.leɪt]	Впускать
Insecticide	[inˈsek.ti.said]	Инсектицид
Instead	[in sted]	Вместо (чего-либо)
Interaction	[ˌɪn.təˈræk.ʃən]	Взаимодействие
Intergrate		Составлять целое
Interruption	[ˌɪntəˈrʌpʃn]	Перерыв, прерывание
Introduce	[intrəˈdjuːs]	Вводить
Inversely	[In'v3:s]	Обратно
Involve	[in'volv]	Включать
Irrigate	['ır.ı.geıt]	Орошать
Lattes	[ˈlæteɪz]	Последний
Layer	['leɪə(r)]	Слой
Learn	[l3:n]	Научить(ся)
Legislation	[ledʒ.ɪˈsleɪ.ʃən]	Законодательство
Liquor	[ˈlɪk.ər]	Жидкость; щёлок
Load	[ləʊd]	Нагрузка
Lose-lost-lost	[luːz]	Терять
Loup		Цепь
Low	[1əʊ]	Низкий
Lower	[ˈləʊ.ər]	Понижать
Majority	[məˈdʒɒrəti]	Большинство
Maker	['meɪ.kər]	Принимающий реше-
		ния, руководитель
Make-up	['meɪk.ʌp]	Дополнение
Mammal	[ˈmæm.əl]	Млекопитающее
Mastery	[ˈmɑː.stər.i]	Владение, господство
Mean	[mi:n]	Означать
Means	[mi:nz]	Средство
Measure	['meʒə(r)]	Измерять
Meet-met-met	[mi:t]	Встретить
Mention	['menʃn]	Упоминать
Misuse	[mis'ju:z]	Неправильное исполь-
		зование
Move	[mu:v]	Двигать(ся)
Need	[ni:d]	Потребность, нуждаться
Nuisance	[ˈnjuː.səns]	Вред
Number	['nʌmbə(r)]	Число
Nutrient	['njuː.tri.ənt]	Питательное вещество
Objective	[əbˈdʒektɪv]	Цель

Observe	[əbˈzɜːv]	Наблюдать
Obtain	[əbˈteɪn]	Получать
Occur	[əˈkɜː(r)]	Происходить
Odor	[ˈəʊ.dər]	Запах
Offensive	[əˈfensiv]	Вредный
Offset	[pf'set]	Возмещать
Origin	[ˈɒrɪdʒɪn]	Происхождение
Overwhelm	[əʊ.vəˈwelm]	Переполнять
Owing to	[ˈəʊɪŋ tuː]	Благодаря
Oxidation	[ˈɒk.sɪ.daɪz]	Окисление
Oxygen	[ˈɒk.sɪ.dʒən]	Кислород
Pass	[pais]	Проходить
Perform	[pəˈfɔːm]	Выполнять
Permission	[pəˈmɪʃn]	Разрешение
Permit	[pəˈmɪt]	Позволять
Plant	[pla:nt]	Растение; завод, цех
Plot	[plpt]	Участок (земли)
Possess	[pəˈzes]	Обладать
Powdered	[ˈpaʊ.dəd]	Распылённый
Power	['pavə(r)]	Сила, энергия
Precise	[pri'sais]	Точный
Preserve	[prɪˈzɜːv]	Предохранять, сохра-
		нять
Press	[pres]	Пресс; прессовать
Suction press	[ˈsʌkʃən prɛs]	Обсасывающий пресс
Grooved press	[gruːvd prɛs]	Рифленый пресс
Pressure	[ˈprɛʃə]	Давление
Pretreatment		Предварительная обра-
		ботка
Prevent	[pri'vent]	Предупредить
Previous	['priːviəs]	Предыдущий
Prior to	[ˈpraɪə tuː]	До
Proceed	[prəˈsiːd]	Продолжать, приступать
		к чему-либо
Process	['prəʊses]	Обрабатывать; процесс
Processing	['prəʊ.ses]	Обработка
Profound	[prəˈfaʊnd]	Глубокий
Promote	[prəˈməʊt]	Распространять
Property	[ˈprɒpəti]	Свойство
Prospect	['prɒspekt]	Исследовать
Provide	[prəˈvaɪd]	Обеспечить
Pulp	[pylb]	Бумажная масса, цел-
		люлоза

Pump	[рлтр]	Качать, откачивать; на-
•		coc
Purchase	[ˈpɜːtʃəs]	Купить
Purity	[ˈpjʊə.rɪ.ti]	Очищать
Quality	[ˈkwɒləti]	Качество
Quantity	[ˈkwɒntəti]	Количество
Rapid	[ˈræpɪd]	Быстрый
Rate	[reit]	Скорость, норма
Rating	[ˈreɪ.tɪŋ]	Оценка, положение
Raw	[:cr]	Сырой
Reach	[ri:tʃ]	Достигать
Read up for	[<u>ri:d</u> Ap fo:]	Готовиться к
Receive	[rɪˈsiːv]	Принимать, получать
Recipient	[rɪˈsɪp.i.ənt]	Приемник
Recognition	[rekəgˈnɪʃn]	Признание
Recover	[rɪˈkʌvə(r)]	Улавливать; восстанав-
		ливать
Rectangular	[rekˈtæŋ.gjʊ.lər]	Прямоугольный
Reduce	[rɪˈdjuːs]	Сокращать
Reduction	[rɪˈdʌkʃn]	Сокращение, уменьше-
		ние
Reflect	[rɪˈflekt]	Отражать
Regard	[rɪˈgɑːd]	Рассматривать
Regenerate	[rɪˈdʒen.ər.eɪt]	Воспроизвести
Relate	[rɪˈleɪt]	Связывать
Relation	[rɪˈleɪʃn]	Связь
Rely	[rɪˈlaɪ]	Опираться (на)
Removal	[rɪˈmuːvl]	Удаление
Remove	[rɪˈmuːv]	Удалять
Require	[rɪˈkwaɪə(r)]	Требовать
Requirement	[rɪˈkwaɪəmənt]	Требование
Represent	[repri zent]	Представлять
Repulper	[ˌriːˈpʌlpə]	Повторный разбиватель
Resemblance	[rɪˈzem.bləns]	Сходство
Residual	[rɪˈzɪd.ju.əl]	Осадок
Residue	[ˈrez.ɪ.djuː]	Осадок
Responsibility	[rɪˌspɒnsəˈbɪləti]	Ответственный
Rest	[rest]	Отдыхать; отдых
Restrict	[rɪˈstrɪkt]	Ограничить
Result	[rɪˈzʌlt]	Результат
Result in	[rɪˈzʌlt ɪn]	Привести к чему-либо
Result from	[rɪˈzʌlt frɒm]	Исходить из чего-либо
Retention	[rɪˈten.ʃən]	Удержание

Roll	[rəʊl]	Вал
Drive roll	[draiv rəʊl]	Ведущий вал
Sample	['sa:mpl]	Образец
Sampling	[ˈsɑːm.pl̩]	Взятие пробы
Salinity	[ˈseɪ.laɪn]	Солёность, содержание
,	-	соли
Scale	[skeɪl]	Масштаб
Screening	[ˈskriːnɪŋ]	Отсев, просеивание
Screw	[skru:]	Винт
Sedimentation	[sedimen'teisən]	Осаждение
Sensitive	[ˈsensətɪv]	Чувствительный
Sequence	[ˈsiː.kwəns]	Последовательность
Settle	[ˈsetl]	Осаждение
Settleability	[ˌsɛtləˈbɪlɪti]	Осаждаемость
Settler	[ˈset.lər]	Отстойник
Sew	[səʊ]	Осушать
Sewage	['su:.ɪdʒ]	Сточная вода
Sewerage	[ˈsʊə.ruʒ]	Канализация
Sewer	[soər]	Коллектор, сточная тру-
		ба
Shower	[ˈʃaʊə(r)]	Спрыск
Wire cleaning shower	[ˈwaɪə ˈkliːnɪŋ <u>ˈʃaʊə]</u>	Спрыск для очистки
		сетки
Shire	[ʃaɪər]	Костра
Side	[said]	Сторона
Significant	[sigˈnifikənt]	Значительный
Significantly	[sıg'nıfıkəntli]	Значительно
Similar	[ˈsɪmələ(r)]	Подобный
Slow	[sləʊ]	Медленный
Sludge	[slnd3]	Отстой, ил, грязь
Slug	[slng]	Слежавшийся брак
Softwood	[ˈsɒft.wʊd]	Древесина мягких по-
		род, хвойная древесина
Solid	[ˈsɒlɪd]	Твёрдое вещество
Solve	[splv]	Решать
Solution	[səˈluːʃn]	Раствор; решение
Source	[s:cs]	Источник
Spacecraft	['speis.kra:ft]	Космический корабль
Speed up	[spi:d]	Ускорять
Spent	[spent]	Отработанный
Spill	[spil]	Пробка, затычка
State	[steit]	Констатировать, уста-
		новить; состояние

Steel	[sti:1]	Сталь
Stainless steel	['steinlis sti:1]	Нержавеющая сталь
Stock	[stpk]	Macca
Stream	[stri:m]	Поток
Strength	[strene]	Крепость
Stringent	['strɪn.dʒənt]	Строгий
Struggle	[ˈstrʌgl]	Бороться
Substance	[ˈsʌbstəns]	Вещество
Substantial	[səbˈstænʃl]	Существенный
Substitution	[sab.sti tju:.sən]	Замена
Suttor		Испытывать
Suit	[suːt]	Быть пригодным
Supply	[səˈplaɪ]	Снабжение
Support	[səˈpɔːt]	Поддерживать
Suppose	[səˈpəʊz]	Предполагать
Suppress	[sə'pres]	Подавлять
Surround	[səˈraʊnd]	Окружать
Suspended	[səˈspend]	Во взвешенном состоя-
		нии
Sustainable	[səˈsteɪ.nə.bl]	Выдержанный, контро-
		лируемый
System	[ˈsɪstəm]	Система
Tank	[tæŋk]	Бассейн
Taste	[teist]	Вкус
Test	[test]	Тест, испытание
Proof test	[pru:f test]	Проверочное испытание
Thickening	['θιk.ən]	Сгущение
Threat	[θret]	Угроза
Threaten	['θretn]	Угрожать
Till	[tıl]	Возделывать землю
Tower	['tavə(r)]	Башня
Down-flow tower	[daʊn-fləʊ ˈtaʊə]	Отдельная башня с на-
		правлением потока
		сверху вниз
Up flow tower	[ʌp fləʊ ˈtaʊə]	Отдельная башня с на-
		правлением потока сни-
		зу вверх
Transition	[trænˈzɪʃ.ən]	Переход
Treat	[tri:t]	Отрабатывать
Treatment	['tri:tmənt]	Отработка
Troublesome		Вредный
Turn	[t3:n]	Повернуть
Ugly	[ˈʌgli]	Уродливый

Undergo	[ˌʌn.dəˈgəʊ]	Подвергаться
Underground	[Andə graund]	Подземный
Unit	['ju:nɪt]	Единица; установка
Up-to-date	[ˈʌptəˈdeɪt]	Современный
Vary	[ˈveəri]	Меняться, колебаться
Volatile	['vɒl.ə.taɪl]	Летучий
Vulnerable	[ˈvʌl.nər.ə.bl̩]	Уязвимый
Wasker		Промывной аппарат
Watercoarse		Водосток, русло
Work	[w3:k]	Работа, завод
Warning	[ˈwɔːnɪŋ]	Потепление
Waste	[weist]	Отходы
Wastewater	['weɪstˌwɔːtə]	Отработанная вода,
		сточные воды
Wire	['waɪə(r)]	Сетка
Withstand	[wið stænd]	Выносить, претерпевать
Worry	[ˈwʌri]	Беспокоить, тревожить
Yeast	[ji:st]	Дрожжи
Yield	[ji:ld]	Выход продукции

СОДЕРЖАНИЕ

Предисловие
Времена глаголов в действительном залоге (Таблица 1)4
Страдательный (пассивный) залог (Таблица 2)
Модальные глаголы (Таблица 3)
Глагол "to be" (Таблица 4)
Глагол "to have" (Таблица 5)
Степени сравнения прилагательных и наречий (Таблица 6)
Многофункциональное слово "one" (Таблица 7) 30
Многофункциональные слова "that", "those", "this", "these" (Таблица 8)33
Многофункциональное слово "it" (Таблица 9)
Причастия (Таблица 10)
Независимый причастный оборот (Таблица 11) 43
Герундий (Таблица 12)
Инфинитив (Таблица 13)
Инфинитивные обороты I. Сложное подлежащее (Таблица 14) 52
Инфинитивные обороты II. Сложное дополнение (Таблица 15) 53
Бессоюзные придаточные предложения (Таблица 16) 56
Типы условных предложений (Таблица 17) 59
Словарь

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