

Going Green 8: Alternative Energy

Экологическое воспитание Развитие умения работать с таблицами, поискового чтения

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Модуль 8, стр.153.



Результат

Экологическое воспитание. Развитие умения работать с таблицами, развитие поискового чтения.



Обрати внимание

Study the vocabulary.

alternative energy	альтернативный источник энергии
coal	уголь
dam	дамба, плотина
flow	течь
fossil fuels	ископаемые виды топлива
oil	нефть
pie chart	круговая диаграмма
pollute	загрязнять
power	снабжать энергией
reservoir	водохранилище
solar cell	элемент солнечной батареи
solar power station	солнечная электростанция
trap	запирать, улавливать
waste	отходы
wind turbine	ветряная турбина



Сделай сам

1. Fill in the gaps.

coals

pie chart

dam

pollute

fossil fuels

waste

- 1) A _____ had saved the lake and its fish.
- 2) Each space in this _____ refers to a question on the Experiment Sheet.
- 3) Environmentalists would like to see _____ replaced by renewable energy sources.
- 4) Grill the steaks over medium-hot _____ for 6-8 min on each side.
- 5) Lots of these factories _____ the air with hydrogen sulfide.
- 6) The emphasis now is on recycling _____.

2. Match the words to their meaning.

1. convert	a) change the nature, purpose, or function of something
2. flow	b) devices that convert sunlight directly to electricity
3. power	c) hold or prevent from moving
4. solar cells	d) move continuously at a steady rate
5. trap	e) provide the energy for something to operate

1 — _____ 2 — _____ 3 — _____ 4 — _____ 5 — _____

Now write your own sentences using the words above.

3. Read the statements. Which of them do you agree with?

Statements	Before reading	After reading
The world uses fossil fuels the most to produce electricity. Oil, gas and coal are renewable. Sunlight can be converted into electricity. The wind is capable of creating electricity, too. A dam traps a small area of water.		

Now read the text (Ex. 2A, page 153) and check.

4. Fill in the table.

Noun	Adjective / participle	Adverb	Verb
burning			burn
wind		—	
		—	renew
			direct
	cheap		—
	generative		generate
		—	pollute



Запомни. Важно

Выполняя задания на лексико-грамматическую трансформацию, необходимо обращать внимание на «окружение» слова.



Разбираем вместе

Ex. 2B, page 153. Complete the gaps with the correct word formed from the words in brackets

64 % of the electricity we need comes from 1) ... (burn) fossil fuels such as oil, gas and coal. — После предлога по смыслу необходимо поставить имя существительное — **burning**.

These resources pollute and are not 2) ... (renew), so once we have burned 3) ... (they) all up, there will be no more. — После глагола *to be* мы можем поставить имя прилагательное — **renewable** (возобновляемый); после глагола необходим объект, над которым действие выполнялось — **them**.

This alternative energy needs to use no fossil fuel and create no waste or 4) ... (pollute). — *Waste* (отходы -> имя существительное), значит для перечисления однородных членов предложения мы должны добавить еще одно имя существительное после союза *and* — **pollution**.



Сделай сам

Enough of the sun's energy 5) ... (hit) the Earth every minute to power the world for a whole year! — _____

In sunny countries, solar cells can be put on rooftops to convert sunlight 6) ... (direct) into electricity. — _____

This uses the sun's heat to make steam, which then drives a 7) ... (generate) to produce electricity. — _____

We can use the power of the wind by 8) ... (build) wind turbines. — _____

If we build a number of wind turbines together in a 9) ... (wind) place, we can make a 'wind farm' and produce quite a lot of electricity! — _____

Hydro-electric power stations can produce a lot of power very 10) ... (cheap). — _____

5. Put the sentences in the correct order to make a text. Make a conclusion yourself.

- a) A cheap source of energy is hydroelectric power which is produced using water.
- b) Alternative energy sources are the way forward as they do not create waste or pollution. Solar power is one source of alternative energy.
- c) At the moment, the world gets 64 % of its electricity from fuels that are not renewable.
- d) It is important for us to find alternative sources of energy.
- e) It is produced by converting sun rays into energy using solar panels. Another clean source of energy is the wind.
- f) Large turbines with propellers can create large amounts of electricity easily.
- g) This cannot continue as these fuels will not last forever.

1 — _____

2 — _____

3 — _____

4 — _____

5 — _____

6 — _____

7 — _____