

1 Knowledge

Name these items:



Write down a synonym of these expressions:

coat, envelop, wrap	release, liberate
bring in, smuggle	air, sky
petroleum, petrol, gas	trip, voyage, expedition
merchandise, artefact	catch, seize, arrest
attain, reach, get	fabricate, generate
move, advance, go	benefit, gain, plus
globe, sphere, world	in charge, in control
make happen, initiate	wastebasket, trash can
litter, garbage, trash	eternally, for all time
energy, force	gasoline, gas
without charge, gratis	upcoming, yet to come
biological, organic, pure	can, container
contamination, smog	influence, effect
time to come, outlook	result, consequence

Write down the opposite of these words:

thin, runny	artificial
momentarily	solid
release, liberate, free	imprison
past	expensive
uneven	export
unsure, doubtful	increase, intensify

2 Comprehension

Fill in the missing words:

Around the world with solar energy

- 1 About 70% of the earth's surface is _____ with water.
- 2 After visiting Japan we will _____ Australia.
- 3 Big cars use lots of _____.
- 4 I buy local _____ whenever I can.
- 5 In future, most energy has to be _____ of CO₂.
- 6 In the _____ I want to live abroad for a year.
- 7 In today's newspaper there are many interesting _____.
- 8 Is there really too much CO₂ in the _____?
- 9 It is very difficult to _____ the energy in atoms.
- 10 Many countries have to _____ food.
- 11 More and more people use _____ today.
- 12 My colleague gives me a _____ to work every day.
- 13 My _____ plans include travel and getting a job.
- 14 Our oil supplies will not last _____.
- 15 _____ the world, people are worried about climate change.
- 16 Scientists are trying to find more efficient types of _____.
- 17 She _____ on saving energy with me.
- 18 Solar energy is _____ – it doesn't cost anything.
- 19 _____ means our climate is changing.
- 20 Solar power is a form of _____ energy.
- 21 Some changes in the environment are _____ by global warming.
- 22 Sorry I'm late, I was stuck in a _____ for 20 minutes.
- 23 The earth is also called the blue _____.
- 24 The government needs to _____ about saving energy.
- 25 The _____ was long and tiring.
- 26 The sun's heat is a useful source of _____.
- 27 There are many _____ to recycling.
- 28 Think about how you can _____ your energy use.

If you have difficulties in finding the words, use your workbook (ps. 84 to 103).

But cover the sentences ;-)

- 29 Using _____ has many advantages.
- 30 Using so much oil has a negative _____ on the environment.
- 31 We can _____ our aim if we work together.
- 32 We should all try to produce less _____.
- 33 We should make better use of _____ resources.
- 34 We want to _____ a different energy provider.
- 35 What will the _____ look like in 2050?
- 36 Who is _____ for this mess?
- 37 Wind turbines _____ energy.
- 38 You can save energy _____ you are.

Living in a low-energy house

- 1 Can you _____ me _____ on what I should do?
- 2 Energy can also be _____ in batteries.
- 3 My aunt grows vegetables in her _____.
- 4 My cousin only uses _____ products.
- 5 Nowadays _____ are much more efficient.
- 6 Our _____ broke down last winter.
- 7 Our neighbours have solar cells on their _____.
- 8 Please throw your rubbish in the _____.
- 9 Some kitchen _____ use more power than others.
- 10 The basin _____ when you turn the water on.
- 11 _____ can be recycled.
- 12 Turn the _____ off so you don't waste water.
- 13 We did a _____ about our use of energy.
- 14 We need to change our _____ lives to achieve this aim.
- 15 We share a _____ with two other families.
- 16 Why not use public transport _____ your car?
- 17 You should _____ buying certain products.
- 18 You should switch lights off to _____ energy.

Where do we get our energy from?

- 1 At the moment _____ is a hot topic.
- 2 Buses and trains can run on _____.
- 3 _____ is a very important topic today.
- 4 I am _____ that we need to do more for the environment.
- 5 People have been using _____ for centuries.
- 6 Petrol and water are both _____.
- 7 Petroleum is a _____ dark liquid.
- 8 Some energy _____ are more practical than others.
- 9 Tall wind turbines have an impact on our _____.
- 10 The Netherlands is a _____ country but it can still use water power.

- 11 The solar cells on the roof _____ the sunlight.
- 12 The world's _____ reserves are limited.
- 13 There is heat _____ that could be useful in the future.
- 14 Water power is _____ electricity using turbines.
- 15 We need to make changes in our homes _____.
- 16 We should increase our _____ of renewable energy.
- 17 We should reduce the _____ of our earth.
- 18 What are the _____ of using so much oil?
- 19 Which sources of energy are the _____?

Which word is meant by these definitions?

- 1 used for showing where someone/something is surrounding or enclosing something _____
- 2 the slow increase in the temperature of the Earth caused partly by the greenhouse effect increasing the amount of carbon dioxide in the atmosphere _____
- 3 the planet that we live on _____
- 4 a journey on a horse or other animal, on a bicycle or motorcycle, or in a vehicle _____
- 5 an area of land that is beautiful to look at or that has a particular type of appearance _____
- 6 certain that something is true _____
- 7 an object that produces light, especially one that fits into an electric light _____
- 8 an object used for controlling how much water, gas, or liquid comes out from a pipe or container _____
- 9 energy that uses the power of the Sun's light and heat to produce electricity _____
- 10 oil found under the ground or under the bottom of the sea and used for making petrol for cars and chemical products _____
- 11 a very large round object that moves around the Sun or another star _____
- 12 the air round the Earth or round another planet _____
- 13 to change or develop into something different _____
- 14 designed to cause as little harm as possible to the environment _____
- 15 a set of questions that a lot of people are asked as a way of getting information about what people think or do generally _____
- 16 to buy a product from another country and bring it to your country _____
- 17 a substance such as oil, gas, coal, or wood that produces heat or power when it is burned. _____
- 18 buses, trains etc that everyone can use _____
- 19 a substance that can flow, has no fixed shape, and is not a solid or a gas _____
- 20 to try to prevent something from happening _____
- 21 something that makes one person or thing more likely to succeed than others _____

- 22 to make something smaller or less in size, amount, importance etc _____
- 23 a container for putting rubbish in _____
- 24 to make something full _____
- 25 a closed metal container for a food product that you open with a _____ opener.
The American word is can _____
- 26 level and parallel to the ground; smooth on the surface, with no lumps
or slopes _____
- 27 energy obtained from oil, coal, the sun etc, used for operating
equipment and machines _____
- 28 a line of vehicles waiting behind something that is blocking the road _____
- 29 below the surface of the ground _____
- 30 to keep something in a particular place _____
- 31 a liquid used as fuel for cars and other vehicles. The American word is
gasoline _____
- 32 an occasion when you travel from one place to another, especially
when there is a long distance between the places _____
- 33 expected to exist or happen during the time following the present time _____
- 34 a machine or piece of equipment that you have in your home, for
example a washing machine or refrigerator _____
- 35 the process of damaging the air, water, or land with chemicals or other
substances _____
- 36 an effect, or an influence _____
- 37 to make or grow something, especially in large quantities and in order
to be sold _____
- 38 before any others or before everything else _____
- 39 a machine for washing clothes _____
- 40 a piece of writing about a particular subject that is published in a
newspaper or magazine _____
- 41 _____ energy and natural materials replace themselves by natural processes,
so that they are never completely used up _____
- 42 not expensive _____
- 43 everywhere or anywhere where someone does something or where a
particular situation exists _____
- 44 very common or completely normal, and often not very interesting _____
- 45 someone who is _____ for someone or something is in charge of them and
must make sure that what they do or what happens to them is right or satisfactory _____
- 46 for all time in the future, or for as long as you can imagine _____
- 47 used for saying that one person, thing, or action replaces another _____
- 48 to make something happen, usually something bad _____
- 49 to go in a particular direction _____
- 50 something that is made, grown, or obtained in large quantities so that
it can be sold _____
- 51 a person, place, or thing that provides something that you need or _____

want; the beginning of a river or stream

- 52 to avoid using something such as money, time, or energy, or to use less of it _____
- 53 the time that follows the present time _____
- 54 to be all over a surface or object _____
- 55 a form of energy that can produce light, heat, and power for machines, computers, televisions etc _____
- 56 energy that is produced when the structure of the central part of an atom is changed _____
- 57 the changes that are thought to be affecting the world's weather so that it is becoming warmer _____
- 58 the useless materials, substances, or parts that are left after you use something _____
- 59 to succeed in doing or having what you planned or intended, usually after a lot of effort _____
- 60 a change that is produced in one person or thing by another _____
- 61 an area of land next to a house that belongs to the house, usually with grass and plants growing in it _____
- 62 something that is _____ does not cost anything
- 63 the top outer part of a building _____
- 64 a _____ liquid is more stiff or solid than normal and does not flow easily
- 65 existing in nature and not produced or caused by people _____

(Macmillan, 2009-2014)

3 Application of the vocabulary

Pass your sheet to your partner. He/she will write down 6 words you'll have to explain in an English sentence:

	words suggested by your partner	your sentence:
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____



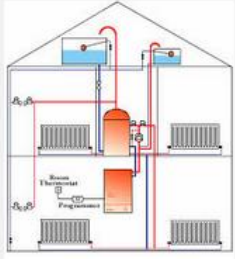



Complete these sentences, so that it's clear that you understand the word:

- 1 My future plans include _____
- 2 We have to reduce _____
- 3 Petrol _____
- 4 What are the effects _____?
- 5 We should reduce the pollution _____
- 6 You can achieve _____
- 7 There are many traffic jams _____
- 8 The atmosphere mainly consists of _____
- 9 Electricity _____
- 10 Who should try to save _____
- 11 You need fuel to _____
- 12 Turn the tap off so _____
- 13 A journey _____
- 14 Wind energy _____
- 15 Teachers need to raise awareness about _____
- 16 Can you give me advice _____?
- 17 Something free _____
- 18 The most important energy source _____
- 19 Renewable _____
- 20 The roof _____
- 21 There are many advantages _____
- 22 Switzerland imports _____
- 23 There's flat area _____
- 24 Tins _____
- 25 Eco-friendly means _____
- 26 Climate change _____
- 27 We produce a lot of waste when we _____
- 28 I was given a ride _____
- 29 A planet _____

- 30 An article is _____
- 31 Liquids are _____
- 32 An important thing of my everyday life is _____
- 33 There's an negative impact _____
- 34 We did a questionnaire _____
- 35 Turbines turn water into _____
- 36 Our heating system _____
- 37 The most important appliance _____
- 38 Smoking can cause _____
- 39 In the future _____
- 40 Useful sources of power are _____
- 41 The washing machine _____
- 42 Cheap means _____
- 43 A garden _____
- 44 In the underground _____
- 45 Global warming means _____
- 46 We should use public transport instead of _____
- 47 Nuclear energy _____
- 48 You should avoid _____
- 49 Solar panels produce _____
- 50 In winter time the landscape is covered _____
- 51 Solar energy _____
- 52 I am convinced _____
- 53 After school I'll head to _____
- 54 A light bulb _____
- 55 The use of _____
- 56 Petroleum _____
- 57 Public transport _____
- 58 A bin _____

1 Knowledge

Name these items:

 <p>article</p>	 <p>roof</p>	 <p>world</p>
 <p>appliance</p>	 <p>fuel / petrol</p>	 <p>renewable</p>
 <p>heating system</p>	 <p>nuclear energy</p>	 <p>questionnaire</p>
 <p>planet(s)</p>	 <p>fill up</p>	 <p>tin</p>
 <p>pollution</p>	 <p>electricity</p>	 <p>power</p>
 <p>bin</p>	 <p>public transport</p>	 <p>garden</p>

 <p>light bulb</p>	 <p>landscape</p>	 <p>petroleum</p>
 <p>wind energy</p>	 <p>journey</p>	 <p>washing machine</p>
 <p>solar energy</p>	 <p>tap</p>	 <p>global warming</p>
 <p>atmosphere</p>	 <p>traffic jam</p>	 <p>waste</p>

Write down a synonym of these expressions:

coat, envelop, wrap	cover	release, liberate	free
bring in, smuggle	import	air, sky	atmosphere
petroleum, petrol, gas	fuel	trip, voyage, expedition	journey
merchandise, artefact	product	catch, seize, arrest	capture
attain, reach, get	achieve	fabricate, generate	produce
move, advance, go	head to	benefit, gain, plus	advantage
globe, sphere, world	planet	in charge, in control	responsible
make happen, initiate	cause	wastebasket, trash can	bin
litter, garbage, trash	waste	eternally, for all time	forever
energy, force	power	gasoline, gas	petrol
without charge, gratis	free	upcoming, yet to come	future
biological, organic, pure	natural	can, container	tin
contamination, smog	pollution	influence, effect	impact
time to come, outlook	future	result, consequence	effect

Write down the opposite of these words:

thin, runny	thick	artificial	natural
momentarily	forever	solid	liquid
release, liberate, free	capture	imprison	free
past	future	expensive	cheap
uneven	flat	export	import
unsure, doubtful	convinced	increase, intensify	reduce

2 Comprehension

Fill in the missing words:

Around the world with solar energy

- 1 About 70% of the earth's surface is **covered** with water.
- 2 After visiting Japan we will **head to** Australia.
- 3 Big cars use lots of **petrol**.
- 4 I buy local **products** whenever I can.
- 5 In future, most energy has to be **free** of CO₂.
- 6 In the **future** I want to live abroad for a year.
- 7 In today's newspaper there are many interesting **articles**.
- 8 Is there really too much CO₂ in the **atmosphere**?
- 9 It is very difficult to **free** the energy in atoms.
- 10 Many countries have to **import** food.
- 11 More and more people use **solar energy** today.
- 12 My colleague gives me a **ride** to work every day.
- 13 My **future** plans include travel and getting a job.
- 14 Our oil supplies will not last **forever**.
- 15 **Around** the world, people are worried about climate change.
- 16 Scientists are trying to find more efficient types of **fuel**.
- 17 She **shared her thoughts** on saving energy with me.
- 18 Solar energy is **free** – it doesn't cost anything.
- 19 **Global warming** means our climate is changing.
- 20 Solar power is a form of **renewable** energy.
- 21 Some changes in the environment are **caused** by global warming.
- 22 Sorry I'm late, I was stuck in a **traffic jam** for 20 minutes.
- 23 The earth is also called the blue **planet**.
- 24 The government needs to **raise awareness** about saving energy.
- 25 The **journey** was long and tiring.
- 26 The sun's heat is a useful source of **power**.
- 27 There are many **advantages** to recycling.
- 28 Think about how you can **reduce** your energy use.

- 29 Using **public transport** has many advantages.
- 30 Using so much oil has a negative **impact** on the environment.
- 31 We can **achieve** our aim if we work together.
- 32 We should all try to produce less **waste**.
- 33 We should make better use of **natural** resources.
- 34 We want to **switch to** a different energy provider.
- 35 What will the **world** look like in 2050?
- 36 Who is **responsible** for this mess?
- 37 Wind turbines **produce** energy.
- 38 You can save energy **wherever** you are.

Living in a low-energy house

- 1 Can you **give** me **advice** on what I should do?
- 2 Energy can also be **stored** in batteries.
- 3 My aunt grows vegetables in her **garden**.
- 4 My cousin only uses **eco-friendly** products.
- 5 Nowadays **light bulbs** are much more efficient.
- 6 Our **heating system** broke down last winter.
- 7 Our neighbours have solar cells on their **roof**.
- 8 Please throw your rubbish in the **bin**.
- 9 Some kitchen **appliances** use more power than others.
- 10 The basin **fills up** when you turn the water on.
- 11 **Tins** can be recycled.
- 12 Turn the **tap** off so you don't waste water.
- 13 We did a **questionnaire** about our use of energy.
- 14 We need to change our **everyday** lives to achieve this aim.
- 15 We share a **washing machine** with two other families.
- 16 Why not use public transport **instead of** your car?
- 17 You should **avoid** buying certain products.
- 18 You should switch lights off to **save** energy.

Where do we get our energy from?

- 1 At the moment **nuclear energy** is a hot topic.
- 2 Buses and trains can run on **electricity**.
- 3 **Climate change** is a very important topic today.
- 4 I am **convinced** that we need to do more for the environment.
- 5 People have been using **wind energy** for centuries.
- 6 Petrol and water are both **liquids**.
- 7 Petroleum is a **thick** dark liquid.
- 8 Some energy **sources** are more practical than others.
- 9 Tall wind turbines have an impact on our **landscape**.
- 10 The Netherlands is a **flat** country but it can still use water power.

- 11 The solar cells on the roof **capture** the sunlight.
- 12 The world's **petroleum** reserves are limited.
- 13 There is heat **underground** that could be useful in the future.
- 14 Water power is **turned into** electricity using turbines.
- 15 We need to make changes in our homes **first**.
- 16 We should increase our **use** of renewable energy.
- 17 We should reduce the **pollution** of our earth.
- 18 What are the **effects** of using so much oil?
- 19 Which sources of energy are the **cheapest**?

Which word is meant by these definitions?

- | | |
|--|-------------------------|
| 1 used for showing where someone/something is surrounding or enclosing something | around |
| 2 the slow increase in the temperature of the Earth caused partly by the greenhouse effect increasing the amount of carbon dioxide in the atmosphere | global warming |
| 3 the planet that we live on | world |
| 4 a journey on a horse or other animal, on a bicycle or motorcycle, or in a vehicle | ride |
| 5 an area of land that is beautiful to look at or that has a particular type of appearance | landscape |
| 6 certain that something is true | convinced |
| 7 an object that produces light, especially one that fits into an electric light | light bulb |
| 8 an object used for controlling how much water, gas, or liquid comes out from a pipe or container | tap |
| 9 energy that uses the power of the Sun's light and heat to produce electricity | solar energy |
| 10 oil found under the ground or under the bottom of the sea and used for making petrol for cars and chemical products | petroleum |
| 11 a very large round object that moves around the Sun or another star | planet |
| 12 the air round the Earth or round another planet | atmosphere |
| 13 to change or develop into something different | turn sth into |
| 14 designed to cause as little harm as possible to the environment | eco-friendly |
| 15 a set of questions that a lot of people are asked as a way of getting information about what people think or do generally | questionnaire |
| 16 to buy a product from another country and bring it to your country | import |
| 17 a substance such as oil, gas, coal, or wood that produces heat or power when it is burned. | fuel |
| 18 buses, trains etc that everyone can use | public transport |
| 19 a substance that can flow, has no fixed shape, and is not a solid or a gas | liquid |
| 20 to try to prevent something from happening | avoid |
| 21 something that makes one person or thing more likely to succeed than others | advantage |

22 to make something smaller or less in size, amount, importance etc	reduce
23 a container for putting rubbish in	bin
24 to make something full	fill up
25 a closed metal container for a food product that you open with a tin opener. The American word is can	
26 level and parallel to the ground; smooth on the surface, with no lumps or slopes	flat
27 energy obtained from oil, coal, the sun etc, used for operating equipment and machines	power
28 a line of vehicles waiting behind something that is blocking the road	traffic jam
29 below the surface of the ground	underground
30 to keep something in a particular place	store
31 a liquid used as fuel for cars and other vehicles. The American word is gasoline	petrol
32 an occasion when you travel from one place to another, especially when there is a long distance between the places	journey
33 expected to exist or happen during the time following the present time	future
34 a machine or piece of equipment that you have in your home, for example a washing machine or refrigerator	appliance
35 the process of damaging the air, water, or land with chemicals or other substances	pollution
36 an effect, or an influence	impact
37 to make or grow something, especially in large quantities and in order to be sold	produce
38 before any others or before everything else	first
39 a machine for washing clothes	washing machine
40 a piece of writing about a particular subject that is published in a newspaper or magazine	article
41 renewable energy and natural materials replace themselves by natural processes, so that they are never completely used up	
42 not expensive	cheap
43 everywhere or anywhere where someone does something or where a particular situation exists	wherever
44 very common or completely normal, and often not very interesting	everyday
45 someone who is responsible for someone or something is in charge of them and must make sure that what they do or what happens to them is right or satisfactory	
46 for all time in the future, or for as long as you can imagine	forever
47 used for saying that one person, thing, or action replaces another	instead
48 to make something happen, usually something bad	cause
49 to go in a particular direction	head to
50 something that is made, grown, or obtained in large quantities so that it can be sold	product
51 a person, place, or thing that provides something that you need or	source

want; the beginning of a river or stream

- | | | |
|----|--|-----------------------|
| 52 | to avoid using something such as money, time, or energy, or to use less of it | save |
| 53 | the time that follows the present time | future |
| 54 | to be all over a surface or object | cover |
| 55 | a form of energy that can produce light, heat, and power for machines, computers, televisions etc | electricity |
| 56 | energy that is produced when the structure of the central part of an atom is changed | nuclear energy |
| 57 | the changes that are thought to be affecting the world's weather so that it is becoming warmer | climate change |
| 58 | the useless materials, substances, or parts that are left after you use something | waste |
| 59 | to succeed in doing or having what you planned or intended, usually after a lot of effort | achieve |
| 60 | a change that is produced in one person or thing by another | effect |
| 61 | an area of land next to a house that belongs to the house, usually with grass and plants growing in it | garden |
| 62 | something that is free does not cost anything | |
| 63 | the top outer part of a building | roof |
| 64 | a thick liquid is more stiff or solid than normal and does not flow easily | |
| 65 | existing in nature and not produced or caused by people | natural |

(Macmillan, 2009-2014)

3 Application of the vocabulary

Pass your sheet to your partner. He/she will write down 6 words you'll have to explain in an English sentence:

words suggested by your partner

your sentence:

1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____

Complete these sentences, so that it's clear that you understand the word:

- 1 My future plans include _____
- 2 We have to reduce _____
- 3 Petrol _____
- 4 What are the effects _____?
- 5 We should reduce the pollution _____
- 6 You can achieve _____
- 7 There are many traffic jams _____
- 8 The atmosphere mainly consists of _____
- 9 Electricity _____
- 10 Who should try to save _____
- 11 You need fuel to _____
- 12 Turn the tap off so _____
- 13 A journey _____
- 14 Wind energy _____
- 15 Teachers need to raise awareness about _____
- 16 Can you give me advice _____?
- 17 Something free _____
- 18 The most important energy source _____
- 19 Renewable _____
- 20 The roof _____
- 21 There are many advantages _____
- 22 Switzerland imports _____
- 23 There's flat area _____
- 24 Tins _____
- 25 Eco-friendly means _____
- 26 Climate change _____
- 27 We produce a lot of waste when we _____
- 28 I was given a ride _____
- 29 A planet _____

- 30 An article is _____
- 31 Liquids are _____
- 32 An important thing of my everyday life is _____
- 33 There's an negative impact _____
- 34 We did a questionnaire _____
- 35 Turbines turn water into _____
- 36 Our heating system _____
- 37 The most important appliance _____
- 38 Smoking can cause _____
- 39 In the future _____
- 40 Useful sources of power are _____
- 41 The washing machine _____
- 42 Cheap means _____
- 43 A garden _____
- 44 In the underground _____
- 45 Global warming means _____
- 46 We should use public transport instead of _____
- 47 Nuclear energy _____
- 48 You should avoid _____
- 49 Solar panels produce _____
- 50 In winter time the landscape is covered _____
- 51 Solar energy _____
- 52 I am convinced _____
- 53 After school I'll head to _____
- 54 A light bulb _____
- 55 The use of _____
- 56 Petroleum _____
- 57 Public transport _____
- 58 A bin _____