

6 Living Planet

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- 6.1 **luminous** (adj) /'lu:mi:nəs/
shining • *My alarm clock has luminous hands so I can see the time in the dark.*

Word Focus

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- 6.2 **magma** (n) /'mægmə/
hot liquid rock below the Earth's surface
• *The magma below the ground was red hot.*
- 6.3 **microbe** (n) /'maɪkrəʊb/
a tiny living thing you can see with a microscope • *The scientist examined the microbes under the microscope.*
- 6.4 **photosynthesis** (n) /fəʊtəʊ'sɪnθəɪsɪs/
process in plants where carbon dioxide and water are turned into food using the sun's energy • *We learned about photosynthesis in biology lessons in secondary school.*
> photosynthesisise (v)
- 6.5 **by-product** (n) /'baɪ-,prɒdʌkt/
a substance produced during the process of making or destroying sth else • *Asphalt is a by-product of oil refining.*
- 6.6 **molten** (adj) /'mɒltən/
(metal or rock that is) in a liquid state due to high temperature • *Molten rock was pouring out of the volcano.* > melt (v)
- 6.7 **oxidation** (n) /ɒksɪ'deɪʃn/
process of a substance combining with oxygen • *If you leave that metal tool out in the rain, oxidation will take place.*

Reading

pages 70-71

- 6.8 **spark** (v) /spɑ:k/
cause to start • *The argument between the two fans sparked a bigger fight between many supporters.* > spark (n)
- 6.9 **formation** (n) /fɔ:'meɪʃn/
shaping • *The formation of this lake took place millions of years ago.* > form (v)
- 6.10 **harness** (v) /'hɑ:nɪs/
control and use the power of sth • *This solar panel harnesses energy from the sun to heat up water.* > harness (n)
- 6.11 **consist of** (v) /kən'sɪst ɒv/
be made of • *This report consists of an introduction, a presentation and recommendations.*

- 6.12 **composition** (n) /kəm'pə'zɪʃn/
the way sth is made • *The geologist studied the composition of the rock to see how it was formed.* > compose (v)
- 6.13 **trigger** (v) /'trɪgə/
cause to start • *The lightning strike triggered a blackout.* > trigger (n)
- 6.14 **iron** (n) /aɪən/
a dark red/brown mineral • *Iron is used to make steel.*
- 6.15 **ferrous** (adj) /'ferəs/
containing iron • *Steel is a ferrous metal.*
- 6.16 **ferric** (adj) /'ferɪk/
containing iron • *When you leave iron out in the rain, it forms ferric oxide, or rust.*
- 6.17 **version** (n) /'vɜ:ʃn/
type of sth • *I saw the black and white version of this film.*
- 6.18 **coincidental** (adj) /kəʊɪn'sɪ'dentəl/
happening by chance • *Meeting you here was coincidental. I hadn't planned to go out today.*
> coincidence (n), coincide (v)
- 6.19 **subject (to)** (v) /sʌb'dʒekt (tə)/
cause to experience • *The class was subjected to extra homework as a punishment for cheating.*
- 6.20 **turmoil** (n) /'tɜ:mɔɪl/
great trouble and confusion • *There was great turmoil after the tsunami struck the coastal areas.*
- 6.21 **greenhouse gas** (n) /'gri:n,haʊs gæs/
a gas which causes the greenhouse effect
• *Greenhouse gases are increasing in the Earth's atmosphere.*
- 6.22 **chain of events** (expr) /tʃeɪn ɒv ɪ'vents/
things happening one after another • *The history students studied the chain of events that led to the First World War.*
- 6.23 **endure** (v) /ɪn'dʒʊə/
continue to exist through sth difficult • *He endured two days at sea in the storm before he took to his cabin with seasickness.*
> endurance (n), endurable (adj)
- 6.24 **shift** (n) /ʃɪft/
a change • *Greenhouse gases have caused a shift in average temperatures.* > shift (v)
- 6.25 **emerge** (v) /ɪ'mɜ:dʒ/
come out • *The rabbit emerged from its hole in the field and hopped away.* > emergence (n)
- 6.26 **thrive** (v) /θraɪv/
grow; do well • *The crops thrived this year with the good weather.* > thriving (adj)

- 6.27 ozone layer** (n) /'əʊzəʊn 'leɪə/
a layer of gases in the atmosphere that prevents harmful radiation from the sun from reaching the Earth • *The ozone layer blocks the sun's dangerous rays from reaching Earth.*
- 6.28 shield** (n) /ʃiːld/
protection • *Use this umbrella as a shield against the sun.* > shield (v)
- 6.29 solar radiation** (n) /'səʊlə reɪdɪ'eɪʃn/
heat and energy from the sun • *Solar radiation would destroy life on Earth without the protection of the ozone layer.*
- 6.30 emit** (v) /ɪ'mɪt/
send out • *That factory chimney emits a lot of smoke that pollutes the area.*
> emission (n)
- 6.31 spew** (v) /spuː/
throw out in large amounts • *Molten rock was spewed into the sky from the volcano.*
- 6.32 element** (n) /'elɪmənt/
a substance that consists of atoms of only one type • *Oxygen is an element in air that is essential for our survival.*

Vocabulary

pages 72-73

- 6.33 clear** (adj) /klaɪə/
sunny, with no clouds • *It was a clear day so it was perfect for the beach.*
- 6.34 gusty** (adj) /'ɡʌsti/
windy • *The gusty weather kept blowing my hat away.* > gust (n)
- 6.35 overcast** (adj) /,əʊvə'kɑːst/
cloudy • *It is overcast so it might rain later.*
- 6.36 pouring** (adj) /'pɔːrɪŋ/
raining hard • *It was pouring and we got absolutely soaked.* > pour (v)
- 6.37 roasting** (adj) /'rəʊstɪŋ/
very hot • *It was a roasting day in Athens. The temperature reached 40 degrees.* > roast (v)
- 6.38 sticky** (adj) /'stɪki/
(weather that is) hot and wet • *I get sweaty in this sticky weather.*
- 6.39 drizzly** (adj) /'drɪzli/
raining a little • *It's a drizzly day again, so wear a raincoat.* > drizzle (v, n)
- 6.40 showery** (adj) /'ʃəʊəri/
raining on and off • *It was showery in the afternoon, but we went into shops to keep dry.*
> shower (n)
- 6.41 blistering** (adj) /'blɪstərɪŋ/
very hot • *We need to turn on the air-conditioning in this blistering weather.*
- 6.42 sweltering** (adj) /'sweltərɪŋ/
very hot • *It was sweltering in the desert and the tourists found it hard to cope with the heat.*
> swelter (v)
- 6.43 oppressive** (adj) /ə'presɪv/
(weather that is) hot and wet • *The atmosphere is oppressive; I think it's going to rain later.*
> oppress (v)
- 6.44 bright** (adj) /braɪt/
sunny • *A bright day like this is perfect for holiday photographs.* > brightness (n)
- 6.45 fair** (adj) /feə/
(weather that is) good • *The weather is usually fair in Greece in May.*
- 6.46 fine** (adj) /faɪn/
sunny and dry • *We went for a walk in the country because it was a fine day.*
- 6.47 dull** (adj) /dʌl/
grey; not sunny at all • *Our holiday was ruined by dull weather. It wasn't sunny once.*
> dullness (n)
- 6.48 gloomy** (adj) /'ɡluːmi/
(weather that is) grey and miserable • *This gloomy weather is depressing.* > gloom (n)
- 6.49 humid** (adj) /'hjuːmɪd/
damp • *The evening was humid but it didn't rain.* > humidity (n)
- 6.50 muggy** (adj) /'mʌɡi/
unpleasantly warm and wet • *The washing won't dry in this muggy weather.* > mugginess (n)
- 6.51 sultry** (adj) /'sʌltri/
warm and damp • *We left the windows open on the sultry summer night.*
- 6.52 blowy** (adj) /'bləʊi/
windy • *The blowy weather dried the clothes quickly.* > blow (v)
- 6.53 blustery** (adj) /'blʌstəri/
very windy • *The weather is often blustery near the coast in winter.*
- 6.54 breezy** (adj) /'briːzi/
a little windy • *It's breezy, so we can fly our kite today.* > breeze (n)
- 6.55 dump** (v) /dʌmp/
throw away • *Somebody had dumped their household rubbish by the side of the road.*
> dumping (n)
- 6.56 dirt** (n) /dɜːt/
substances such as dust or mud that make things dirty • *Don't sit down in the dirt.*
> dirty (adj)
- 6.57 soil** (n) /sɔɪl/
the substance on the surface of the earth where plants, trees, etc. grow • *The soil here is ideal for cultivating olive trees.*
- 6.58 drill** (v) /drɪl/
dig deep holes in the ground or under the sea for oil • *They are drilling for oil in the North Sea.* > drill (n)
- 6.59 mine** (v) /maɪn/
dig tunnels underground to find coal, diamonds, etc. • *They used to mine for coal in many parts of Europe.* > mine (n)

- 6.60 sulphur dioxide** (n) /'sʌlfə daɪ'ɒksaɪd/
a poisonous gas that causes air pollution
• *Carbon dioxide, sulphur dioxide and other poisonous gases pollute the atmosphere.*
- 6.61 polluter** (n) /pə'lju:tə/
sb or a company that pollutes • *This factory is the worst polluter in the area.* > pollute (v), pollutant (n), pollution (n), polluted (adj)
- 6.62 pollutant** (n) /pə'lju:tənt/
a substance that pollutes • *The chemicals that come from your car exhaust are pollutants that contaminate the air we breathe.* > pollute (v)
- 6.63 be up in arms** (expr) /bi ʌp ɪn ɑ:mz/
be very angry and protest about it
• *People were up in arms about the increase in taxes.*
- 6.64 landfill** (n) /'lændfɪl/
a hole in the ground where rubbish is buried
• *There is a landfill near here and it often smells terrible because of the rubbish.*
- 6.65 wasteland** (n) /'weɪst,lænd/
an unattractive area with little life • *The place was a wasteland after the tornado destroyed it.*
- 6.66 outskirts** (pl n) /'aʊtskɜ:ts/
the parts of a town that are furthest from the centre • *He lives on the outskirts of town so he has to take a bus to the centre.*
- 6.67 oil spill** (n) /ɔɪl spɪl/
an accident where oil pollutes the sea and/or land • *The oil spill from the tanker killed many fish and birds.*
- 6.68 slip** (n) /slɪp/
sliding on sth wet • *That was a nasty slip on the wet floor. Did you hurt yourself?* > slip (v)
- 6.69 landfall** (n) /'lændfɔ:l/
the land you arrive at after a sea voyage • *The ship made landfall on an island in the middle of the ocean.*
- 6.70 landslide** (n) /'lændslaɪd/
rocks and earth falling down the side of a mountain • *The heavy rain caused a landslide that blocked the road with rocks.*
- 6.71 hunter-gatherer** (n) /'hʌntə-'gæðərə/
sb who lives by hunting animals and gathering fruit and nuts • *Hunter-gatherers moved from place to place in search of food.*
- 6.72 live off the land** (expr) /lɪv ɒf ðə lænd/
eat what grows naturally • *The subsistence farmer lives off the land and has no need for supermarkets.*
- 6.73 berry** (n) /'beri/
a small round fruit • *The two berries in this jam are strawberry and blackberry.*
- 6.74 suffice** (v) /sə'faɪs/
be enough • *If this money does not suffice, you can apply to the bank for a loan.*
> sufficient (adj)
- 6.75 nomad** (n) /'nəʊmæd/
sb who travels from place to place instead of living in one place all the time • *The nomads travelled in the desert on camels.*
> nomadic (adj)
- 6.76 migrate** (v) /maɪ'greɪt/
go to live in another area or country • *The birds migrated to warmer places in the south to spend the winter.* > migration (n)
- 6.77 territory** (n) /'terətəri/
land that is owned or controlled by sb/sth
• *Male animals defend their territory against other males.* > territorial (adj)
- 6.78 seek** (v) /si:k/
look for • *If it rains, we should seek a dry place to spend the night.*
- 6.79 refuge** (n) /'refju:dʒ/
shelter or protection • *The travellers sought refuge from the storm at a small hotel.*
- 6.80 shelter** (n) /'ʃeltə/
a structure made or built to protect you from the weather • *The explorers made a shelter of branches to keep dry.* > shelter (v)
- 6.81 fashion** (v) /'fæʃn/
make sth • *Early humans used tools they had fashioned out of rocks and bones.*
- 6.82 beat down** (phr v) /bi:t daʊn/
shine strongly • *The sun was beating down so we had to find some shade.*
- 6.83 blow up** (phr v) /bləʊ ʌp/
begin suddenly with force • *A storm blew up at sea and endangered the fishermen.*
- 6.84 bucket down** (phr v) /'bʌkɪt daʊn/
rain heavily • *It's bucketing down. You're going to get very wet if you go out.*
- 6.85 clear up** (phr v) /kliə ʌp/
stop raining and become fine • *If the weather clears up later, let's go out for a walk.*
- 6.86 blow over** (phr v) /bləʊ 'əʊvə/
go away without causing damage • *The storm blew over and the sun came out.*
- 6.87 dry up** (phr v) /draɪ ʌp/
If a lake, pond, river, etc. dries up, the water in it disappears. • *When it didn't rain for two months the stream dried up.*
- 6.88 disperse** (v) /dɪ'spɜ:s/
move apart • *The clouds dispersed and the sun appeared.* > dispersal (n)
- 6.89 prolonged** (adj) /prə'lɒŋd/
continuing for a long time • *There was a prolonged heat wave and everyone suffered.*
> prolong (v)
- 6.90 drought** (n) /draʊt/
a period of time when there is no rain
• *The long drought meant that animals died and crops failed.*

- 6.91 weary** (adj) /'wiəri/
tired • *I felt terribly weary after walking around the shops all day.* > weariness (n)
- 6.92 safe and sound** (expr) /seɪf ænd saʊnd/
unharméd after being in danger • *Despite the storm, the sailors got back to port safe and sound.*
- 6.93 soaked** (adj) /səʊkt/
completely wet • *I forgot my umbrella and got soaked in the rain.* > soak (v)
- 6.94 unaware** (adj) /ʌnə'weə/
not knowing • *The teacher was unaware of the cheating when she marked the tests.*
- 6.95 indifferent** (adj) /ɪn'dɪfərənt/
uninterested • *She was indifferent to the fate of the planet and didn't even recycle.* > indifference (n)
- 6.96 viable** (adj) /'viəbl/
capable of working successfully; feasible • *Buying a huge petrol-guzzling car was not economically viable for us.*
- 6.97 alternative** (n) /ɔ:l'tɜ:nətɪv/
a different choice • *A good alternative to going to the cinema is renting a DVD from a video club.* > alternative (adj)
- 6.98 fossil fuel** (n) /fɒsl fjuəl/
fuel like coal or oil • *Coal was the fossil fuel used in the Industrial Revolution.*
- 6.99 interfere** (v) /ɪntə'fɪə/
get involved in sth that is not your affair • *Don't interfere; it's none of your business.* > interference (n)
- 6.100 insistence** (n) /ɪn'sɪstəns/
saying that sth must be done • *Insistence on good behaviour has led to a good environment at this school.* > insist (v)
- 6.101 drove of cattle** (expr) /drəʊv ɒv 'kætl/
a group of cattle • *The rancher led a drove of cattle across the plains.*
- 6.102 tower of giraffes** (expr) /'taʊə ɒv dʒɪ'ra:fs/
a group of giraffes • *A tower of giraffes were eating the leaves of the trees.*
- 6.103 bed of snakes** (expr) /bed ɒv sneɪks/
a group of snakes • *There was a bed of snakes under a rock in the desert.*
- 6.104 army of ants** (expr) /'ɑ:mɪ ɒv ænts/
a group of ants • *We watched an army of ants going in and out of their nest.*
- 6.105 parliament of owls** (expr) /'pɑ:ləmənt ɒv əʊlz/
a group of owls • *A parliament of owls made soft noises in the night.*
- 6.106 pride of lions** (expr) /praɪd ɒv 'laɪənz/
a group of lions • *We saw a pride of lions when we were on safari in Kenya.*
- 6.107 continental United States** (n) /kɒntɪ'nentəl ju'nɑ:ɪtɪd steɪts/
all the states of the United States except Hawaii and Alaska • *There are 48 states in the continental United States.*
- 6.108 hostile** (adj) /'hɒstəl/
difficult to live in • *It isn't easy to live in the hostile environment of the desert.* > hostility (n)
- 6.109 forbidding** (adj) /fə'brɪdɪŋ/
frightening • *The explorers were determined to cross the forbidding desert.* > forbid (v)
- 6.110 scorched** (adj) /sɔ:tʃt/
burnt by the sun • *The scorched grass was brown and dry.* > scorch (v)
- 6.111 barren** (adj) /'bærən/
dry and bare, with few plants • *The barren plot of land had no trees and few plants.*
- 6.112 startlingly** (adv) /'stɑ:tɪŋli/
surprisingly • *We had a startlingly beautiful view of the sea from our cheap hotel.* > startle (v), startling (adj)
- 6.113 searing** (adj) /'sɪəriŋ/
extremely hot • *I couldn't bear the searing heat so I went indoors.* > sear (v)
- 6.114 soar** (v) /sɔ:/
rise very high • *The temperature soared to over 40 degrees in the afternoon.*
- 6.115 nap** (n) /næp/
a short sleep • *She had a nap in the afternoon after arriving home from work.* > nap (v)
- 6.116 elevation** (n) /elə'veɪʃn/
height • *We climbed to the highest elevation to admire the city from above.* > elevate (v)

Grammar

pages 74-75

- 6.117 charity** (n) /'tʃærəti/
an organisation that raises money to help people or animals in need • *Oxfam is a well-known British charity that helps people in need.* > charitable (adj)
- 6.118 principal** (n) /'prɪnsɪpl/
a head teacher • *The principal announced that we could leave school early that day.*
- 6.119 feel sth in one's bones** (expr) /fi:l 'sʌmθɪŋ ɪn wʌnz bəʊnz/
be certain about sth even though you cannot explain why you are certain • *I know she's lying. I feel it in my bones.*
- 6.120 lonesome** (adj) /'ləʊnsəm/
unhappy because you are alone • *The lonesome child played by himself in a corner.*

- 6.121** **sadden** (v) /'sædən/
make sad • *The news that your grandmother passed away saddened us all.* > sad (adj), sadness (n)
- 6.122** **subspecies** (n) /'sʌbspiːʃɪz/
a group of plants or animals within a species that have particular characteristics • *The European subspecies of wolf has longer ears than the North American subspecies.*
- 6.123** **demise** (n) /dɪ'maɪz/
death • *The zoo is sad to announce the demise of its giant panda.*

Listening

page 76

- 6.124** **laid-back** (adj) /leɪd-bæk/
relaxed; not strict • *The teacher is laid-back so he won't mind if your homework is a day late.*
- 6.125** **reclining** (adj) /rɪ'klaɪnɪŋ/
tilting backwards • *I tipped back the reclining seat on the plane and tried to sleep.*
> recline (v)
- 6.126** **unrushed** (adj) /'ʌn,rʌʃt/
relaxed • *I prefer an unrushed holiday by the sea.*
- 6.127** **resemble** (v) /rɪ'zembəl/
look or behave like sb • *He resembles his dad physically but they have different personalities.*
> resemblance (n)
- 6.128** **hide out** (phr v) /haɪd aʊt/
make sure you are not found • *The robbers hid out all weekend in the forest before they were caught.* > hide-out (n)
- 6.129** **bizarre** (adj) /bɪ'zɑː/
very strange • *His behaviour was bizarre; I can't explain it.*
- 6.130** **weird** (adj) /wɪəd/
strange • *This weird animal was a flying dinosaur.*
- 6.131** **juvenile** (adj) /'dʒuːvənəɪl/
still growing; under the age of 18 • *Police often give talks at schools to try to fight juvenile crime.* > juvenile (n)
- 6.132** **pay homage to** (expr) /peɪ 'hɒmɪdʒ tu/
show respect towards • *On November 11th, people pay homage to those who died in World War I.*
- 6.133** **commemorate** (v) /kə'meməreɪt/
do sth to show that you remember an important past event • *Parades on March 25th commemorate the Greek Revolution of 1821.* > commemoration (n)
- 6.134** **be in two minds** (expr) /biː ɪn tuː maɪnds/
be undecided • *I am in two minds about whether to move abroad to find work as I would miss my friends and family.*

- 6.135** **inconclusive** (adj) /ɪnkɒn'kluːsɪv/
not having a clear result • *The results were inconclusive so the scientists did more experiments.*
- 6.136** **be pushed for time** (expr) /bi pʊʃt fə taɪm/
have a very limited period of time to do sth
• *We'll try to finish the work today, but we're pushed for time.*
- 6.137** **work against the clock** (expr) /wɜːk ə'genst ðə klɒk/
work quickly because you do not have much time • *The builders are working against the clock to finish the house before the winter.*

Phrasal verbs

beat down	bucket down	dry up
blow over	clear up	hide out
blow up		

Speaking

page 77

- 6.138** **urban** (adj) /'ɜːbən/
in/of a town or city • *This urban area needs more greenery for the residents to enjoy.*
- 6.139** **biodiversity** (n) /baɪəʊdaɪ'vɜːsɪti/
the variety of animals and plants in an area
• *The biodiversity of the sea is being threatened by pollution.*
- 6.140** **food chain** (expr) /fuːd tʃeɪn/
all living things in a group in which one creature eats another, and then is eaten by another • *The introduction of new species of fish in the lake is affecting the food chain.*
- 6.141** **survival of the fittest** (expr) /sə'vaɪvl əv ðə 'fɪtəst/
the principle that only the creatures that are best adapted to their environment will survive and reproduce • *During the last ice age, it was a struggle to live. It was a case of the survival of the fittest.*

Writing:

a contribution pages 78-79

- 6.142** **lagoon** (n) /lə'guːn/
an area of sea water that is separated from the sea by a reef, a sandbank or rocks • *We went swimming in the warm blue water of the lagoon.*
- 6.143** **hospitality** (n) /'hɒspɪ'tæləti/
friendly behaviour to one's guests • *The Greeks are famous for their hospitality to strangers.*
> hospitable (adj)
- 6.144** **picturesque** (adj) /pɪktʃə'resk/
(of a place) pretty in an old-fashioned way
• *The picturesque village was high in the mountains.*

- 6.145 nestle** (v) /'nesəl/
be situated in a half-hidden or sheltered position • *The old town nestles at the foot of the hill.*
- 6.146 stunning** (adj) /'stʌnɪŋ/
very beautiful or impressive • *The view from the top of the mountain was stunning.*
> stun (v)
- 6.147 stove** (n) /stəʊv/
sth that burns coal, wood, etc. and is used to heat a room or for cooking • *The old lady lit the stove to make tea.*
- 6.148 draw** (v) /drɔː/
take from • *In the past, we drew water from the river.*
- 6.149 well** (n) /wel/
a hole in the ground from where water can be drawn • *The water in the well in the garden is drinkable.*
- 6.150 fragrant** (adj) /'freɪgrənt/
smelling nice • *I love walking in the garden and smelling the fragrant flowers.*
> fragrance (n)
- 6.151 underestimate** (v) /ʌndə'estɪmeɪt/
not realise how important sth is
• *Do not underestimate the ability of your opponent.*
- 6.152 natural resource** (n) /'nætʃrəl rɪ'sɔːs/
sth such as a forest, coal, etc. which exists in a place and can be used by people • *Oil is a natural resource that will run out in the near future.*
- 6.153 tranquillity** (n) /træŋ'kwɪləti/
peace • *They love the tranquillity of the countryside.* > tranquil (adj)
- 6.154 contemplation** (n) /kɒntem'pleɪʃn/
deep reflective thought • *He sat in quiet contemplation of the summer evening.*
> contemplate (v)
- 6.158 flood** (v) /flʌd/
become covered in water • *The river overflowed and flooded the high street.* > flood (n)
- 6.159 sink** (v) /sɪŋk/
go under water • *The stone sank to the bottom of the lake when I threw it in.*
- 6.160 pump** (v) /pʌmp/
force water out of a place with a special machine • *After the flood, we had to pump water out of our basement* > pump (n)
- 6.161 marshland** (n) /'mɑːʃlənd/
a wet muddy area of land • *Thousands of waterbirds live in the marshlands.*
- 6.162 recreation** (n) /rekrɪ'eɪʃn/
an activity you do for pleasure • *For recreation I play tennis and go for long walks.*
> recreational (adj)
- 6.163 radical** (adj) /'rædɪkəl/
differing from tradition; innovative or progressive • *Banning cars from the city centre and introducing bike lanes was a radical move.*
> radical (n), radically (adv)
- 6.164 regardless of** (expr) /rɪ'gɑːdləs ɒv/
without being affected or influenced by sth
• *Regardless of what you may say, I am going to sell the car.*
- 6.165 elaborate** (adj) /ɪ'læbərət/
complex • *The elaborate system of roads was hard to navigate.* > elaborate (v)
- 6.166 dyke** (n) /daɪk/
a wall which stops water flooding an area
• *Many dykes were built in the Netherlands to protect the land from floods.*
- 6.167 windmill** (n) /'wɪndmɪl/
a building with wooden blades that turn in the wind • *This windmill used to provide the whole community with flour.*
- 6.168 reclaim** (v) /rɪ:'kleɪm/
make an area suitable for farming or building
• *The land here used to be under the sea, but it was reclaimed.*
- 6.169 sand dune** (n) /sænd djuːn/
a hill of sand formed by the wind in a desert or near the sea • *The children chased each other up and down the sand dunes.*
- 6.170 tide** (n) /taɪd/
the regular rise and fall of the level of the sea caused by the pull of the moon and sun • *We'll go for a walk along the beach when the tide goes out.* > tidal (adj)
- 6.171 floating** (adj) /'fləʊtɪŋ/
lying on the surface of water • *The floating markets of Thailand are very colourful with all the fresh fruit and vegetables in the canoes.* > float (v)
- 6.172 recreation** (n) /,rɪ:kri'eɪʃn/
an activity you do for pleasure • *What do you like doing for recreation?*

Video 6:

Holland Water

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- 6.155 global warming** (n) /'gləʊbl 'wɔːmɪŋ/
an increase in world temperatures caused by increased amounts of carbon dioxide in the atmosphere • *Global warming is threatening our survival.*
- 6.156 low-lying** (adj) /ləʊ-'laɪɪŋ/
not far above sea level or below sea level
• *Low-lying islands are in danger of flooding because of rising sea levels.*
- 6.157 be at odds** (expr) /bi ət ɒdz/
disagree with sb about sth • *Sarah and her father are at odds and can't agree on anything.*

Earth and its atmosphere

dyke	natural resource
fossil fuel	ozone layer
global warming	sand dune
greenhouse gas	solar radiation
lagoon	tide
landslide	wasteland
magma	

Verbs whose nouns do not change form

balance	nap	shift
drill	pump	slip
harness	shelter	spark
mine	shield	trigger