12 The World Around Us

12.1 **surround** (v) /sə'raʊnd/
be all around sth/sb ● *The house was surrounded by trees and plants.*
➢ surroundings (n), surrounded (adj)

12.2 **mist** (n) /mɪst/
a thin fog, often above water ● *On winter mornings, there's always some mist above the lake.* ➢ misty (adj)

12.3 **botanical garden** (n) /bə'tænɪkl 'gɑːdn/
an area of a park where different plants and trees are grown, often to study them ● *The Auburn Botanical Gardens are popular with visitors who want to enjoy the plants around the lake in Sydney, Australia.*

Reading
Page 148

12.4 **orangutan** (n) /ɔː,ræŋuː'tæn/
a large animals with long arms and reddish-brown hair that comes from islands in South East Asia ● *Orangutans eat mostly fruit, but they also like honey and insects.*

12.5 **panda** (n) /'pændə/
a large furry black and white animal like a giant bear ● *It seems that pandas can survive longer in captivity than they do in the wild.*

12.6 **sea turtle** (n) /siː 'tɜːtl/
a large reptile that has a hard shell on its back and lives in the sea ● *Some volunteers were looking after injured sea turtles at the rescue centre.*

12.7 **polar bear** (n) /'pəʊlə(r) beə(r)/
a large white bear from the area around the North Pole ● *Polar bears are the biggest bears on earth and weigh up to 720 kilos.*

12.8 **cute** (adj) /kjuːt/
attractive or sweet ● *Puppies and kittens always look so cute when they're playing.*
➢ cuteness (n)

12.9 **furry** (adj) /'fɜːri/
covered with soft hair ● *I saw a furry animal in the back garden eating the nuts from our tree.*
➢ fur (n)

12.10 **aggressive** (adj) /ə'gresɪv/
that can get angry and attack sb ● *Polar bears can be aggressive, so don't get too close.*
➢ aggression (n)

12.11 **extinct** (adj) /ɪk'stɪŋkt/
not existing any more ● *Pandas could soon become extinct if we don't protect them.*
➢ extinction (n)

12.12 **massive** (adj) /'mæsɪv/
very large ● *Female turtles lay a massive number of eggs, but not many survive.*
➢ massiveness (n)

12.13 **nest** (n) /nest/
a place that an animal, especially a bird, builds to have its babies ● *There's a bird's nest at the top of the tree in our garden.* ➢ nest (v), nested (adj)

Word Focus

12.14 **environment** (n) /ɪn'vaɪrənmənt/
the air, water, land around us ● *We must stop polluting the environment and keep our beaches clean.* ➢ environmental (adj), environmentally (adv)

12.15 **volunteer** (n) /,vɒlən'tɪə(r)/
sb who does a job because they want to and not for money ● *A group of volunteers were planting new trees where the forest fire occurred last year.* ➢ volunteer (v), volunteering (adj)

12.16 **moonlight** (n) /'muːnlaɪt/
the light from the moon ● *We watched the moonlight shining on the sea.* ➢ moonlit (adj)

12.17 **cage** (n) /keɪdʒ/
sth made of metal bars to keep sb/sth inside ● *I hate seeing birds that have to live in a cage.* ➢ cage (v), caged (adj)

12.18 **bars** (n) /bɑː(r)s/
metal poles that are used to stop sb/sth going into or out of a place ● *The thief used a special tool to cut through the bars and break the window.* ➢ barred (adj)

Reading
Pages 148-149

12.19 **loggerhead turtle** (n) /'lɒgəhed 'tɜːtl/
a type of sea turtle that has a large beak ad a reddish-brown shell ● *Loggerhead turtles can live for almost 70 years.*

12.20 **disappear** (v) /,dɪsə'pɪə(r)/
stop existing; be lost ● *Many types of plants and animals are disappearing because of pollution around the world.* ➢ disappearance (n), disappearing (adj)

12.21 **trick** (v) /trɪk/
confuse sb; make sb/sth think that sth is true
● *The heat in the desert can fool travellers into believing they can see things far away.* ➢ trick (n)

12.22 **count** (v) /kaʊnt/
check how many or how much there is of sth
● *We counted four sea turtles in the sea on our way to Santorini.* ➢ count (n)

12.23 **feel like** (phr) /fiːl laɪk/
have a particular feeling ● *She felt like touching the cute looking bear, but she knew it was dangerous.*

12.24 **die out** (phr v) /daɪ aʊt/
become extinct ● *Pandas have almost died out because people are destroying their natural environment.*

12.25 **go back** (phr v) /gaʊ bæk/
return ● *Before sunset, the birds went back to their nests.*

Vocabulary   Pages 150-151

12.26 **the Sahara Desert** (n) /ðə səˈhɑːˌrə ˈdezət/

12.27 **the River Nile** (n) /ðə ˈrɪvə(r) naɪl/

12.28 **Tahiti** (n) /tɑːˈhiːti/

12.29 **tropical** (adj) /ˈtrɒpɪkl/
in or from the areas not far from the equator
● *Would you like to spend a holiday on a tropical island?* ➢ Tropics (n), tropically (adv)

12.30 **Lake Como** (n) /leɪk ˈkəʊməʊ/

12.31 **cut down** (phr v) /kʌt daʊn/
make sth, e.g. a tree, fall by cutting it at the bottom ● *Ian cut down the tall trees around his garden to make it brighter.*

12.32 **dry up** (phr v) /draɪ ʌp/
become dry ● *The lake has dried up completely because of the drought.*

12.33 **go down** (phr v) /gəʊ daʊn/
become less ● *The number of visitors to the island has gone down since the two big hotels closed.*

12.34 **bring up** (phr v) /brɪŋ ʌp/
raise (a child) ● *Daniel was brought up in the countryside, so he knows a lot about farming.* ➢ upbringing (n)

12.35 **use up** (phr v) /juːz ʌp/
use all that there is of sth ● *We wanted to stay at the campsite for two weeks, but we had to come home early because we used up all our food in the first week.*

12.36 **deal with** (phr v) /diːl wɪð/
pay attention to sth and do sth about it
● *Governments are talking about ways to deal with pollution.*

12.37 **turn off** (phr v) /tɜːn ɒf/
stop sth working by moving sth or pressing a switch ● *We always turn off the water and electricity at home before we go on holiday.*

12.38 **at risk** (phr) /ət rɪsk/
in danger ● *Don't put yourself at risk by going sailing in dangerous weather conditions.*
➢ risk (n), risky (adj)

12.39 **penguin** (n) /ˈpeŋgwɪn/
a large black and white bird that comes from Antarctica ● *Penguins have short wings that they use to swim, but they can't fly.*

12.40 **at most** (phr) /ət məʊst/
not more than ● *Many insects only live for a few days at most.* ➢ most (n), mostly (adv)

12.41 **in danger** (phr) /ɪn ˈdeɪndʒə(r)/
facing the risk of dying out ● *Elephants are in danger of becoming extinct.* ➢ danger (n), dangerous (adj)

Phrasal Verbs

bring up	dry up
cut down	go back
deal with	turn off
die out	use up

Phrases

at most	feel like
at risk	in danger

12.42 **species** (n) /ˈspiːʃiːz/
type of living thing (e.g. animals, plants) ● *We saw different species of tropical plants at the flower show.*

12.43 **plant** (v) /plɑːnt/
put sth into the ground so it can grow ● *Nick planted an apple tree in his garden.* ➢ plant (n)

12.44 **seed** (n) /siːd/
the small hard part inside a plant or fruit that new plants can grow from ● *The farmer was planting seeds in his field to grow cabbages.*

12.45 **water** (v) /ˈwɔːtə(r)/
put water on an area of ground, etc. ● *Mrs Jackson offered to water the garden while we were on holiday.* ➢ water (n)

12.46 **wet** (v) /wet/
make sth wet ● T*he rain wet the chairs on our patio.* ➢ wetness (n), wet (adj)

12.47 **branch** (n) /brɑːntʃ/
one of the parts of a tree that grows out of the main part and leaves and flowers grown on ● *We tied a rope on a high branch of the tree and used it to play on.*

12.48 **sunlight** (n) /ˈsʌnlaɪt/
the light from the sun ● *The sunlight shone through the bedroom window and woke me up.* ➢ sunlit (adj)

12.49 **creature** (n) /ˈkriːtʃə(r)/
any animal (including insects, fish, people) ● *The sea turtle is a strange looking creature.* ➢ create (v)

12.50 **butterfly** (n) /ˈbʌtəflaɪ/
a type of insect with big coloured wings ● *A beautiful butterfly flew onto one of the flowers in the garden.*

12.51 **hamster** (n) /ˈhæmstə(r)/
a small animal like a large mouse with a short tail and large cheeks ● *Ken has a furry little hamster as a pet which he keeps in a cage.*

12.52 **guinea pig** (n) /ˈgɪni pɪg/
a small animal (bigger than a hamster) with short ears and no tail ● *Did you know that guinea pigs, like the ones people keep in cages as pets, actually live in the wild in South America?*

12.53 **goldfish** (n) /ˈgəʊldfɪʃ/
a small yellow, orange or red fish that people sometimes have as a pet ● *The small lake in the park is full of goldfish that grew too big for their fish bowls.*

12.54 **canary** (n) /kəˈneəri/
a small (usually yellow) bird that sounds beautiful when it sings ● *My granny used to have two canaries that sang beautifully and she let them fly around her living room every day.*

12.55 **hutch** (n) /hʌtʃ/
a box made of wood or plastic and metal for keeping pet rabbits in ● *Eileen's rabbit lives in a hutch on the balcony, but he comes out to run around and play for a couple of hours every day.*

12.56 **lettuce** (n) /ˈletɪs/
a leafy green vegetable that is often used in salads ● *Our rabbit loves to eat lettuce and carrots.*

12.57 **cabbage** (n) /ˈkæbɪdʒ/
a vegetable with thick green, white or purple leaves that is often cooked or served in salads ● *Christine is cooking some cabbage that she grew in her garden to have with the dinner.*

Plant Life

Nouns	Verbs
botanical garden	plant
branch	water
cabbage	wet
lettuce	
living roof	
seed	
species	

Animals

butterfly	loggerhead turtle
canary	orangutan
creature	panda
dolphin	penguin
goldfish	polar bear
guinea pig	sea turtle
hamster	species

Grammar   Pages 152-153

12.58 **rectangular** (adj) /rekˈtæŋgjələ(r)/
in a box shape that has two long sides and two short sides ● *Our pet fish are in a large rectangular tank.* ➢ rectangle (n)

12.59 **litter bin** (n) /ˈlɪtə(r) bɪn/
a bin for small pieces of rubbish inside a building or outside in public areas ● *We collected the rubbish in the park and put it in the litter bins.*

12.60 **documentary** (n) /ˌdɒkjuˈmentri/
a film or TV programme, etc. that gives detailed information about sth/sb ● *There are interesting wildlife documentaries on this TV channel every evening.*

12.61 **dolphin** (n) /ˈdɒlfɪn/
a sea animal like a large fish with a round nose ● *Dolphins are very clever and they communicate with each other using sounds.*

12.62   **tiring** (adj) /ˈtaɪərɪŋ/
that makes you feel tired ● *It was a long tiring journey across the country by bus.* ➢ tire (v), tired (adj), tiredness (n), tiringly (adv)

12.63   **sign** (v) /saɪn/
write your name on sth to show you wrote it (or read it) ● *Remember to sign the form before you post it to the company.* ➢ signature (n)

People

explorer	volunteer
hunter	

Listening   Page 154

12.64   **safety** (n) /ˈseɪfti/
the state of being safe; a place that is safe from dangers ● *When he saw the bear, he climbed up the branches of a tree for safety.* ➢ safe (adj), safely (adv)

12.65   **height** (n) /haɪt/
the measure of how high or tall sth/sb is ● *What's the height of the world's tallest tree?* ➢ heightened (adj)

12.66   **a.m.** (abbr) /ˌeɪ ˈem/
before noon ● *Our school begins at 8.30 a.m.*

12.67   **p.m.** (abbr) /ˌpiː ˈem/
after noon ● *We get home from school at 3.45 p.m.*

12.68   **weigh** (v) /weɪ/
measure sth/sb to see how heavy it is ● *How many kilos does an adult elephant weigh?* ➢ weight (n)

12.69   **(my) own** (adj) /(maɪ) əʊn/
belonging to me ● *I'd like to have my own car when I am older.* ➢ own (v), owner (n)

Containers & Animal Homes

bars	nest
cage	tank
litter bin	

Speaking   Page 155

12.70   **overfishing** (n) /ˈəʊvəˈfɪʃɪŋ/
taking too many fish out of the sea so that there are not many left ● *If overfishing doesn't stop, many species of fish will die out.* ➢ overfish (v)

12.71   **effect** (n) /ɪˈfekt/
the change that sth makes to sth/sb else; a result ● *The weather often has an effect on how we feel.* ➢ affect (v), effective (adj), effectively (adv)

12.72   **issue** (n) /ˈɪʃuː/
a subject; a problem ● *We discussed our opinions on the issue of hunting.*

12.73   **animal welfare** (n) /ˈænɪml ˈwelfeə(r)/
protection of animals to keep them healthy and safe ● *The RSPA is an animal welfare organisation in the UK which looks after lost or injured animals.*

12.74   **food mile** (n) /fuːd maɪl/
how far food is moved from where it was grown/made to the people who eat it, and how much petrol is needed to move it ● *The best way to save on food miles is to eat things that grow in the local area.*

12.75   **chemical** (n) /ˈkemɪkl/
sth made using a scientific process ● *Some of the chemicals used to kill insects on farms can be bad for our health.* ➢ chemical (adj)

12.76   **waste** (v) /weɪst/
throw away sth that you don't want which could still be useful ● *If we stop wasting energy, we could help the environment and save money.* ➢ waste (n), wasteful (adj), wastefully (adv)

12.77   **formulate** (v) /ˈfɔːmjuleɪt/
create sth in a planned way ● *Let's formulate a plan to make our environment cleaner.* ➢ formulation (n)

12.78   **tonne** (n) /tʌn/
a weight of 1,000 kilos ● *It's awful to think how many tonnes of food are wasted every day.*

Environment

chemical	organisation
documentary	overfishing
energy	questionnaire
food mile	safety
height	sunlight
mist	waste
moonlight	

Verbs

amaze	recommend
bore	shop
count	sign
disappear	surround
excite	tire
experience	trick
formulate	waste
frighten	weigh
interest	

Writing

12.79   **introduction** (n) /ˌɪntrəˈdʌkʃn/
the first part of a piece of writing that tells you about the idea ● *In your introduction, you should explain why you're writing.* ➢ introduce (v), introductive (adj)

12.80   **findings** (n pl) /ˈfaɪndɪŋz/
what sb has found out ● *The report described the findings from the scientist's research into climate change.* ➢ find (v), finder (n)

12.81   **conclusion** (n) /kənˈkluːʒn/
the end of a piece of writing ● *In your conclusion, write what you think should happen next.* ➢ conclude (v), conclusive (adj)

12.82   **recommendation** (n) /ˌrekəmenˈdeɪʃn/
a suggestion about what to do ● *The environmental group made a recommendation that the new road should not be built through the wildlife park.* ➢ recommend (v)

12.83   **questionnaire** (n) /ˌkwestʃəˈneə(r)/
a list of questions that many people are asked so answers can be compared ● *We made a class questionnaire to see what most people do to help the environment.*

12.84   **reusable** (adj) /riːˈjuːzəbl/
that can be used again ● *Glass jars are reusable because you can clean them and keep other things in them.* ➢ reuse (v)

12.85   **purpose** (n) /ˈpɜːpəs/
the result sb plans to get; why sb is doing sth ● *The purpose of the article was to ask for help from local people.* ➢ purposeful (adj), purposely (adv)

12.86   **based (on)** (adj) /beɪst (ɒn)/
that came from another main idea ● *The results of the report are based on the answers from our questionnaire.* ➢ base (n), base (v)

12.87   **however** (adv) /haʊˈevə(r)/
used to start saying sth that is the opposite or different from what was said before ● *I'd love to help your organisation. However, I don't have any extra time or money right now.*

12.88   **energy** (n) /ˈenədʒi/
the type of power used to make sth work ● *Why don't all homes use solar energy to produce electricity?* ➢ energise (v), energetic (adj)

12.89   **perfect** (adj) /ˈpɜːfɪkt/
ideal; the best, without any faults ● *The perfect home would use only green energy that doesn't damage the environment.* ➢ perfection (n), perfect (v), perfectly (adv)

Video 12
Mega Green Museum

12.90   **living roof** (n) /lɪvɪŋ ruːf/
a roof with lots of plants growing on it ● *Some buildings in the city now have living roofs where plants grow to create a better atmosphere.*
✎ Syn: green roof

12.91   **flying carpet** (n) /ˈflaɪɪŋ ˈkɑːpɪt/
a magic carpet that can fly ● *Where would you like to travel if you had a magic flying carpet?* (adv)
✎ Syn: magic carpet

12.92   **impact** (n) /ˈɪmpækt/
a strong effect on sth ● *A better public transport system would have a positive environmental impact on the city.* ➢ impact (v)

12.93   **complicated** (adj) /ˈkɒmplɪkeɪtɪd/
not simple; hard to understand or explain ● *Making our environment better to live in shouldn't need complicated plans. It's so simple.* ➢ complication (n), complicate (v)

12.94   **recycled** (adj) /ˌriːˈsaɪkld/
made from sth that was used before ● *These notebooks were made from recycled paper.* ➢ recycling (n), recycle (v)