

# 8 A changing world

## Glossary

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- 8.1 **wildfire** (n) /'waɪldfaɪə(r)/  
a fire in the countryside that is burning out of control • *The wildfire has completely destroyed the forest.* ❖ incendiu de vegetație
- 8.2 **consequence** (n) /'kɒnsɪkwəns/  
a result of an action or situation, usually a bad one • *If we continue destroying the environment, we will have to suffer the consequences.* ❖ consecință

### Reading Pages 90–91

- 8.3 **effect** (n) /ɪ'fekt/  
a result of sth • *You should protect your skin against the harmful effects of the sun.* > effective (adj), effectively (adv) ❖ efect

#### LOOK!

The word *affect* is usually a verb meaning 'have an influence or cause a change'. Remember that: if A affects B, A has an effect on B.

- → The climate can **affect** all aspects of our lives.
- → The climate can have an **effect** on all aspects of our lives.

- 8.4 **climate change** (n) /'klaɪmət tʃeɪndʒ/  
changes in the weather of the planet as a result of increasing the level of carbon dioxide in the atmosphere • *Climate change is a slow process, but we can already see the weather getting warmer in many parts of the Earth.* ❖ schimbare climatică
- 8.5 **carbon emissions** (n pl) /'kɑːbən ɪ'mɪʃənz/  
carbon dioxide produced by cars, planes, factories, etc. that harms the environment • *Rich countries should take more measures to reduce carbon emissions.* ❖ emisii de carbon
- 8.6 **fossil fuel** (n) /'fɒsl ˌfjuːəl/  
fuels such as gas and oil, produced underground millions of years ago from parts of dead animals and plants • *We need to find other solutions as the world is running out of fossil fuels.* ❖ combustibil fosil
- 8.7 **fuel** (n) /'fjuːəl/  
a substance that we burn to provide heat or power • *The plane had to land because it was running out of fuel.* > fuel (v) ❖ combustibil

- 8.8 **vegan** (adj) /'viːɡən/  
not eating or using any animal products • *I stopped eating meat many years ago, but now I'm going vegan so no more fish, eggs or cheese for me!* > vegan (n) ❖ vegan
- 8.9 **green** (adj) /griːn/  
related to the protection of the environment • *Vegans are very interested in green issues.* ❖ ecologic
- 8.10 **loss** (n) /lɒs/  
the state of having lost sth • *Weight loss can be a sign of health problems.* > lose (v) ❖ pierdere
- 8.11 **habitat** (n) /'hæbɪtæt/  
the natural environment of an animal or plant • *Tropical forests are the natural habitat of many animals that are in danger of extinction.* ❖ habitat
- 8.12 **alternative** (n) /ɒl'tɜːnətɪv/  
a thing that you can choose to use or do instead of sth else • *I decided to decline his offer and I am looking for alternatives.* > alternate (v), alternative (adj) ❖ alternativă
- 8.13 **solar** (adj) /'səʊlə(r)/  
of the sun or from the sun • *We have installed a solar water heater.* ❖ solar
- 8.14 **release** (v) /rɪ'liːs/  
let sth spread into the atmosphere • *The accident released a dangerous amount of radioactivity into the atmosphere.* > release (n) ❖ elibera
- 8.15 **coal** (n) /kəʊl/  
a hard black substance that you burn to produce heat or power • *Can you put some more coal on the fire?* ❖ cărbune
- 8.16 **oil** (n) /ɔɪl/  
petroleum • *Oil companies are obviously against solar power.* ❖ petrol
- 8.17 **associate** (v) /ə'səʊsiət/  
make a connection in your mind • *I always associate the smell of fresh bread with my grandmother.* > association (n) ❖ asocia
- 8.18 **pessimistic** (adj) /ˌpesɪ'mɪstɪk/  
believing that bad things will happen • *He was very pessimistic about our plan, but I think it will be a success.* > pessimism (n), pessimist (n) ❖ pesimist ❖ Opp: optimistic

- 8.19 overwhelmed** (adj) /ˌəʊvə'welmd/  
feeling that sth is so bad or so big that you can't do anything about it • *There were so many emails to respond to that I was overwhelmed.* > overwhelm (v), overwhelming (adj) ❖ copleşit
- 8.20 do my best** (expr) /du: maɪ best/  
do as much as you can to achieve sth • *I did my best to solve the problem, but unfortunately I didn't manage to.* ❖ face tot posibilul
- 8.21 consume** (v) /kən'sju:m/  
use (fuel, energy, time) • *It's a very expensive car to run – it consumes a lot of fuel.*  
> consumption (n), consumer (n), consumerism (n) ❖ consuma
- 8.22 renewable** (adj) /rɪ'nju:əbl/  
that can be used and easily replaced • *The arrangement lasts for a year and is renewable for another year.* ❖ regenerabil
- 8.23 renewable energy** (n) /rɪ'nju:əbl 'enədʒi/  
energy, such as solar power, that can be produced without using fossil fuels • *In a few decades, fossil fuels will have run out and we will have no choice but to use renewable energy.* ❖ energie regenerabil
- 8.24 wind power** (n) /wɪnd paʊə(r)/  
electricity produced from the power of the wind • *Some people think wind power can help solve the energy problem.* ❖ energie eoliană
- 8.25 scale** (n) /skeɪl/  
the size or level of sth • *People must understand the scale of the problem. It isn't limited to our own country.* ❖ scală
- 8.26 dramatically** (adv) /drə'mætɪkəli/  
suddenly and obviously • *House prices in the city centre have increased dramatically.*  
> dramatic (adj) ❖ semnificativ
- 8.27 share** (n) /ʃeə(r)/  
a part of something that has been divided between two or more people • *Your share of the cost is 15 euros.* > share (v)  
❖ parte
- 8.28 represent** (v) /,reprɪ'zent/  
be, be equal to • *These suggestions represent a change in our approach.* > representation (n) ❖ reprezenta
- 8.29 agriculture** (n) /'ægrɪkʌltʃə(r)/  
farming • *The country's economy depends on agriculture rather than technology.*  
❖ agricultură
- 8.30 figure** (n) /'fɪgə(r)/  
a number • *I've added the latest costs and these are the final figures.* ❖ cifră
- 8.31 use (sth) up** (phr v) /ju:z ('sʌmθɪŋ) ʌp/  
use all of sth, until there is nothing left • *We used up all the flour for the cupcakes so we couldn't make a pizza.* ❖ utiliza (ceva) în totalitate

- 8.32 tax** (n) /tæks/  
money that you pay to the government on the money you earn and products and services you buy • *In most countries, there are heavy taxes on alcohol and tobacco.* ❖ impozit
- 8.33 authentic** (adj) /ɔ:'θentɪk/  
real, true, not fake • *Wait till you taste the authentic Italian ice cream. You won't eat the ice cream we get from the shop again!*  
❖ autentic
- 8.34 power** (v) /paʊə(r)/  
provide a machine with the energy that it needs to work • *The aircraft is powered by four jet engines.* > power (n), powerful (adj), powerless (adj) ❖ alimenta
- 8.35 in (sb's) hands** (expr) /ɪn ('sʌmbədz) hændz/  
controlled or taken care of by sb • *The matter is no longer in my hands, I have no responsibility for it.* ❖ în mâinile cuiva
- 8.36 species** (n) /'spi:ʃi:z/  
a group of animals or plants that share the same characteristics and can produce healthy young • *Many species of insects exist only in certain areas of the planet.* ❖ specie
- 8.37 vegetarian** (adj) /,vedʒɪ'teəriən/  
not eating meat or not including meat • *It's a vegetarian restaurant so they don't serve meat.* > vegetarian (n) ❖ vegetarian

## Vocabulary Page 92

- 8.38 nature reserve** (n) /'neɪtʃə rɪ'zɜ:v/  
an area where wild animals can live and be protected • *The island is a nature reserve, where seals can live in peace.*  
❖ rezervație naturală
- 8.39 endangered** (adj) /ɪn'deɪndʒəd/  
in danger of extinction • *Many species of sea turtle are now endangered.* > endanger (v)  
❖ amenințat cu dispariția
- 8.40 resource** (n) /rɪ'zɔ:s/  
sth that you have and can use • *Water resources on the island are limited.* ❖ resursă
- 8.41 gas** (n) /gæs/  
a substance in a form like air • *Air is actually a mixture of gases.* ❖ gaz
- 8.42 atmosphere** (n) /'ætmosfɪə(r)/  
the mixture of gases around the Earth • *The atmosphere of many cities in Asia is polluted.*  
> atmospheric (adj) ❖ atmosferă
- 8.43 generate** (v) /'dʒenəreɪt/  
produce or create • *The program can generate images based on your instructions.*  
> generation (n) ❖ genera

- 8.44 source** (n) /sɔːs/ the place that something comes from • *Oranges are a great source of vitamin C.* ❖ sursă
- 8.45 threat** (n) /θret/ a person or thing that will probably cause sth bad to happen • *Human activity represents a threat to the survival of the planet.* > threaten (v), threatening (adj) ❖ amenințare
- 8.46 global warming** (n) /ˌɡləʊbl ˈwɔːmɪŋ/ the increase in world temperatures that gases like carbon dioxide are causing • *The disastrous effects of global warming are not yet fully known.* ❖ încălzire globală
- 8.47 organic** (adj) /ɔːˈɡæɪnɪk/ grown without using chemicals • *Organic food is certainly more expensive, but it is much healthier.* ❖ organic
- 8.48 surround** (v) /səˈraʊnd/ be everywhere around sth • *Tall buildings surround the town square.* > surroundings (n pl) ❖ înconjura
- 8.49 solid** (adj) /ˈsɒlɪd/ hard, not in the form of liquid or gas • *Ice is water in its solid state.* > solid (n) ❖ solid
- 8.50 liquid** (adj) /ˈlɪkwɪd/ in a form like water, that you can easily pour • *Mercury is a liquid metal.* > liquid (n) ❖ lichid
- 8.51 coast** (n) /kəʊst/ the land next to the sea • *The town is built on the Mediterranean coast.* > coastal (adj) ❖ coastă
- 8.52 introduce** (v) /ˌɪntrəˈdʒuːs/ put sth into use for the first time • *They have introduced a new method for measuring energy consumption.* > introduction (n) ❖ introduce
- 8.53 mass** (adj) /mæs/ involving a large number • *The government's measures led to mass unemployment.* > mass (n), massive (adj) ❖ masă
- 8.54 ecology** (n) /iˈkɒlədʒi/ the relationship of living things with each other and with the environment • *Oil pollution has seriously damaged the ecology of the coastal area.* > ecological (adj) ❖ ecologie
- 8.55 carbon dioxide** (n) /ˌkɑːbən daɪˈɒksaɪd/ the gas that is formed when carbon is burned or when we breathe out • *There has been a rise in the level of carbon dioxide in the atmosphere in recent years.* ❖ dioxid de carbon
- 8.56 carbon footprint** (n) /ˌkɑːbən ˈfʊtprɪnt/ the amount of carbon dioxide that an activity produces • *More and more people are using bicycles rather than cars, to reduce their carbon footprint.* ❖ amprentă de carbon
- 8.57 greenhouse gas** (n) /ˌɡriːnhaʊs ˈɡæs/ carbon dioxide or another of the gases that are considered responsible for global warming • *Reducing greenhouse gas production is quite an expensive process.* ❖ gaz cu efect de seră
- 8.58 heat up** (phr v) /hi:t ʌp/ make or become warmer • *It's quite a large room and will take a while to heat up.* ❖ încălzi
- 8.59 greenhouse effect** (n) /ˌɡriːnhaʊs ɪˈfekt/ the natural phenomenon whereby the heat from the sun enters the Earth's atmosphere but is unable to escape it • *It is believed that carbon dioxide increases the greenhouse effect and causes global warming.* ❖ efect de seră
- 8.60 build up** (phr v) /bɪld ʌp/ increase in quantity • *The pressure built up until he could no longer take it and he fell ill.* ❖ crește
- 8.61 trap** (v) /træp/ keep sb/sth in one place so that they/it cannot escape • *He managed to trap the mouse with a piece of cheese.* > trap (n) ❖ prinde în capcană
- 8.62 contribute** (v) /kənˈtrɪbjʊːt/ be one of the reasons why sth happens • *Stress certainly contributes to the development of the disease.* > contribution (n) ❖ contribui

### Climate crisis

carbon emissions	greenhouse effect
carbon footprint	greenhouse gas
climate change	renewable energy
fossil fuel	solar power
global warming	wind power

## Grammar Page 93

- 8.63 reusable** (adj) /ˌriːjuːzəbəl/ that can be used again • *I've got a reusable water bottle made of glass.* ❖ reutilizabil
- 8.64 remains** (n pl) /rɪˈmeɪnz/ pieces of sth that continue to exist after it has been destroyed or taken away • *He fed the remains of the meal to the dog.* > remain (v), remainder (n) ❖ resturi
- 8.65 water cooler** (n) /ˈwɔːtə ˌkuːlə(r)/ a machine that provides cool drinking water • *If you're thirsty, just go to the water cooler for a drink.* ❖ răcitor de apă
- 8.66 float** (v) /fləʊt/ stay on the surface of the water and not sink to the bottom • *Plastic bags were floating on the water.* ❖ pluti

- 8.67 imperative** (n) /ɪm'perətɪv/  
a verb form used to give orders • *In the phrase "go away!" the verb "go" is in the imperative form.* ❖ imperativ
- 8.68 adapt** (v) /ə'dæpt/  
change so as to suit different conditions and continue to exist • *All living things have to adapt to changes in their environment.*  
> adaptation (n) ❖ adapta
- 8.69 hybrid car** (n) /'haɪbrɪd kɑ:(r)/  
a car with both a petrol engine and an electric motor • *Hybrid cars don't harm the environment as much as normal cars.*  
❖ mașină hibridă
- 8.70 aluminium** (n) /æljə'mɪniəm/  
a light, silver-grey metal • *Our new window frames are made of aluminium.* ❖ aluminiu
- 8.71 flame** (n) /fleɪm/  
a hot stream of burning gas from a fire  
• *For a moment I saw his face in the flame of the match.* ❖ flacăra
- 8.72 come into contact with** (expr) /kʌm 'ɪntə 'kɒntækt wɪð/  
touch • *You shouldn't let the chemical come into contact with your skin.* ❖ intra în contact cu
- 8.73 explosion** (n) /ɪk'spləʊʒən/  
energy released by a bomb or sth similar  
• *There was a gas explosion and three people were injured.* > explode (v), explosive (adj)  
❖ explozie
- 8.74 mayor** (n) /meə(r)/  
the head of the government of a city or town  
• *The new mayor stated that his first priority was to clean up the city.* ❖ primar
- 8.80 recycling bin** (n) /,rɪ:'saɪklɪŋ bɪn/  
a box in which you put things that will be recycled • *Can you put these old magazines in the recycling bin?* ❖ coș de reciclare
- 8.81 solar panel** (n) /,səʊlə 'pænl/  
a piece of equipment, usually on the roof of a building, that collects energy from the sun and produces electricity • *We have a solar panel to power our central heating.* ❖ panou solar
- 8.82 double** (v) /'dʌbl/  
become twice as much or as many  
• *The town's population has doubled in the last three years.* ❖ se dubla
- 8.83 discourage** (v) /dɪ'skʌrɪdʒ/  
try to prevent sb from doing sth • *I tried to discourage them from using plastic.*  
> discouragement (n) ❖ descuraja  
📎 Opp: encourage
- 8.84 prohibit** (v) /prə'hɪbɪt/  
refuse to let sth happen • *Smoking is prohibited in restaurants.* > prohibition (n)  
❖ interzice 📎 Syn: forbid, Opp: allow
- 8.85 remind** (v) /rɪ'maɪnd/  
help sb remember sth • *Can you please remind me to call my mother before I leave?*  
> reminder (n) ❖ aminti

### LOOK!

The verb *remind* can be used in different ways with a slight change in meaning:

- *He reminded me of my father.* (= he had similarities that made me think about my father)
- *She reminded me about the report I had to do.* (= she didn't let me forget)
- *Can I remind you that your flight is in two hours?* (= let me help you remember)
- *Please remind me to call him later.* (= help me remember to do sth)

## Listening Page 94

- 8.75 function** (n) /'fʌŋkʃn/  
the purpose of sth • *What is the function of these lights on the front of the machine?*  
❖ funcție
- 8.76 admit** (v) /əd'mɪt/  
say that you have done sth wrong  
• *She admitted that she had been rude.*  
> admission (n) ❖ admite
- 8.77 enquire** (v) /ɪn'kwaɪə(r)/  
ask for information • *I called the shop to enquire about the discounts they were advertising.* > enquiry (n) ❖ solicita informații  
📎 Syn: inquire
- 8.78 seek** (v) /si:k/  
ask for • *I think you should seek the advice of a lawyer.* ❖ căuta
- 8.79 warn** (v) /wɔ:n/  
tell sb about possible dangers or problems in the future • *The doctor warned him of the risk, but he didn't listen.* ❖ avertiza

## Speaking Page 95

- 8.86 local council** (n) /,ləʊkl 'kaʊnsl/  
the local government of a town, city or larger area • *Local councils are responsible for libraries and transport, among other things.*  
❖ consiliu local
- 8.87 waste** (v) /weɪst/  
use more of sth than is necessary or use sth badly • *You're wasting your time talking to him – he never listens to anyone.* > waste (n), wasteful (adj) ❖ irosi
- 8.88 in practice** (phr) /ɪn 'præktɪs/  
in reality • *I understand what you're planning to do, but in practice it's never going to work.*  
❖ practic

- 8.89** **reasonable** (adj) /'ri:zənəbl/  
acceptable and appropriate • *Please try to complete your project within a reasonable time.* ❖ rezonabil ☞ Opp: unreasonable
- 8.90** **instantly** (adv) /'ɪnstəntli/  
immediately • *A computer can instantly access information on its hard drive.* ❖ instantaneu
- 8.91** **lengthy** (adj) /'leŋθi/  
that lasts a long time • *It was a very lengthy speech and the audience were bored.*  
➢ length (n), lengthen (v) ❖ îndelungat
- 8.92** **single-use** (adj) /,sɪŋgl 'ju:s/  
that can be used once and then should be thrown away • *Single-use plastic cups are bad for the environment.* ❖ de unică folosință
- 8.93** **be a question of** (phr) /bi ə 'kwɛstʃən əv/  
what the most important issue of a situation is • *There's no doubt water levels are rising. It's a question of how much they rise each year.*  
❖ fi o chestiune de
- 8.94** **in the long term** (phr) /ɪn ðə ,lɒŋ 'tɜ:m/  
a long time in the future • *It looks like a good idea, but we don't know how effective it will be in the long term.* ❖ pe termen lung

## Grammar Page 96

- 8.95** **ozone layer** (n) /'əʊzəʊn ,leɪə(r)/  
part of the Earth's atmosphere containing ozone which protects us from harmful radiation • *The holes in the ozone layer can speed up the process of global warming.* ❖ strat de ozon
- 8.96** **ultraviolet light** (n) /,ʌltrə'vaɪələt laɪt/  
(UV) a type of invisible light that causes the skin to turn darker • *You should use sun cream to protect your skin from ultraviolet light.*  
❖ lumină ultravioletă
- 8.97** **provided (that)** (conj) /prə'vaɪdɪd (ðæt)/  
only if • *We can go tomorrow provided that the weather is still good.* ❖ cu condiția (ca)
- 8.98** **providing (that)** (conj) /prə'vaɪdɪŋ (ðæt)/  
only if • *They'll lend you the money providing that you pay it back.* ❖ cu condiția (ca)
- 8.99** **supposing (that)** (conj) /sə'pəʊzɪŋ (ðæt)/  
if or what if • *Supposing you saw a bear in the street, what would you do?* ❖ presupunând (că)
- 8.100** **suppose (that)** (conj) /sə'pəʊz (ðæt)/  
if or what if • *Suppose he refuses, what will you do?* ❖ presupunând (că)
- 8.101** **otherwise** (adv) /'lðəwaɪz/  
if that doesn't/didn't happen; if the situation is/was different • *We'd better hurry up, otherwise we'll miss our plane.* ❖ în caz contrar
- 8.102** **permit** (n) /'pɜ:mɪt/  
an official document that gives you the right to do sth • *I'm afraid you can't get a job in the USA as you don't have a work permit.*  
➢ permit (v), permission (n) ❖ permis

- 8.103** **put up with** (phr v) /pʊt ʌp wɪð/  
accept sb/sth that is unpleasant or annoying without complaining • *I'm not going to put up with his rude behaviour any longer.*  
❖ accepta fără discuții
- 8.104** **convenience** (n) /kən'vi:niəns/  
the state of being useful and easy • *The abbreviations are explained on each page for convenience.* ➢ convenient (adj)  
❖ comoditate
- 8.105** **slow (sth/sb) down** (phr v) /sləʊ ('slʌmθɪŋ/ 'slʌmbədi) daʊn/  
make sth/sb become slower • *He's moving too fast – someone needs to slow him down.*  
❖ încetini (ceva/pe cineva)
- 8.106** **add to** (phr v) /æd tə/  
increase • *The terrible weather only added to the problems we were already having.*  
❖ adăuga
- 8.107** **soak (sth) up** (phr v) /səʊk ('slʌmθɪŋ) ʌp/  
take in and hold (a liquid) • *You can use this dishcloth to soak up the water that you've spilt.*  
❖ absorbi
- 8.108** **cut (sth) down** (phr v) /kʌt ('slʌmθɪŋ) daʊn/  
cut and make a tree or other plant fall to the ground • *They are cutting down the whole forest to build a new hotel.* ❖ tăia (ceva)
- 8.109** **put an end to** (expr) /pʊt ən end tə/  
make sth stop • *Why don't you just tell the truth and put an end to all those rumours?*  
❖ pune capăt
- 8.110** **tackle** (v) /'tækəl/  
try to deal with • *I know it's a difficult situation, but we're going to try and tackle it as well as we can.* ❖ aborda
- 8.111** **do my bit** (expr) /du: maɪ bɪt/  
do your share of work • *If everyone does their bit, we can finish the job by tomorrow.*  
❖ a-și face treaba
- 8.112** **take action** (expr) /teɪk 'ækʃən/  
do something to help a situation • *If you really care about the environment, you need to take action, not just sit there and talk about it.*  
❖ acționa
- 8.113** **ecosystem** (n) /'i:kəʊsɪstəm/  
all the living things in an area together with their environment • *Cutting down those trees will harm the forest ecosystem.* ❖ ecosistem
- 8.114** **collapse** (v) /kə'læps/  
suddenly fail and/or stop existing • *The market collapsed because of the war.* ➢ collapse (n)  
❖ colaps
- 8.115** **decline** (n) /dɪ'klaɪn/  
a continual decrease • *The figures show a sharp decline in sales this year.* ➢ decline (v)  
❖ declin

- 8.116 destructive** (adj) /dɪ'strʌktɪv/  
causing damage • *His attitude is unhelpful and destructive.* > destroy (v), destruction (n)  
❖ destructiv

### Phrasal verbs

add to	heat up	soak up
build up	put up with	use up
cut down	result in	
die out	slow down	

## Writing Pages 98–99

- 8.117 prefix** (n) /'pri:fɪks/  
one or more letters that you can add to the beginning of a word to change its meaning  
• *In the word 'unable', 'un' is a prefix.* ❖ prefix
- 8.118 suffix** (n) /'sʌfɪks/  
one or more letters that you can add to the end of a word to make a new word • *You can add the suffix '-ly' to most adjectives to make an adverb.* ❖ sufix
- 8.119 punctuation** (n) /,pʌŋktʃu'eɪʃn/  
special symbols you use when you are writing, such as the comma and the full stop • *The most common punctuation marks are commas and full stops.* > punctuate (v) ❖ punctuație
- 8.120 apostrophe** (n) /ə'pɒstrəfi/  
the punctuation mark ' as in *he's* or *Maria's*  
• *I'd, with an apostrophe, can mean I had or I would.* ❖ apostrof
- 8.121 dump** (v) /dʌmp/  
get rid of sth especially in an unsuitable place  
• *The factory continues to dump chemicals into the river.* ❖ elimina necorespunzător
- 8.122 waste** (n) /weɪst/  
materials that are not needed and are thrown away • *You should put household waste in strong garbage bags before taking it out.*  
> waste (v) ❖ deșeuri
- 8.123 protest** (n) /'prəʊtest/  
an event where people show their disagreement • *The protest yesterday was peaceful.* > protest (v), protester (n) ❖ protest
- 8.124 powerless** (adj) /'paʊələs/  
having no power • *Ordinary people often feel powerless when facing the authorities.*  
> power (v, n) ❖ neputincios ☞ Opp: powerful
- 8.125 individual** (adj) /,ɪndɪ'vɪdʒuəl/  
considered separately from others • *Each individual member of the team had something different to say.* > individual (n), individually (adv) ❖ individual
- 8.126 sophisticated** (adj) /sə'fɪstɪkətɪd/  
clever and complicated • *The museum has a very sophisticated security system.*  
> sophistication (n) ❖ sofisticat

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- 8.127 melt** (v) /melt/  
turn into liquid • *The sun came out and the snow soon melted.* ❖ se topi
- 8.128 glacier** (n) /'glæsiə(r)/  
a large, slow-moving mass of ice • *There are glaciers near the North and the South Pole, but also on some high mountains.* ❖ ghețar
- 8.129 iceberg** (n) /'aɪsbɜ:g/  
a very large mass of ice floating in the sea  
• *The ship had to change course to avoid colliding with an iceberg.* ❖ iceberg
- 8.130 ice sheet** (n) /'aɪs ʃi:t/  
a layer of ice that has covered an area of land for a long time • *Scientists have discovered ancient bacteria under the East Antarctic ice sheet.* ❖ calotă glaciară
- 8.131 asthma** (n) /'æsmə/  
a medical condition that makes it difficult to breathe • *Air pollution can make asthma worse.* ❖ astm
- 8.132 drought** (n) /draʊt/  
a long period of no rain • *The drought harmed the crops severely.* ❖ secetă
- 8.133 vapour** (n) /'veɪpə(r)/  
gas that results from heating a liquid • *Both clouds and fog consist of water vapour.*  
❖ vapori
- 8.134 methane** (n) /'mi:θeɪn/  
a gas without colour or smell that burns easily  
• *Methane is one of the gases responsible for the greenhouse effect.* ❖ metan
- 8.135 revolution** (n) /,rɛvə'lʊ:ʃn/  
an important change in the way people do things • *The technological revolution has completely changed the workplace.*  
> revolutionary (adj) ❖ revoluție
- 8.136 fluctuate** (v) /'flʌktʃueɪt/  
change continuously between one thing or level and another • *Accommodation prices fluctuate depending on the season.*  
❖ fluctua
- 8.137 smog** (n) /smɒg/  
a type of air pollution that looks like a mixture of smoke and fog • *Smog is very common in big cities.* ❖ smog
- 8.138 alarming** (adj) /ə'lɑ:mɪŋ/  
causing worry and fear • *There has been an alarming increase in crime recently.*  
❖ alarmant