Reading

10.1 try out /ˈtrai ˈaʊt/ (phr v) See Phrasal verbs

10.2 pioneer /ˈpʌrəniə(r)/ (n) a person who is the first to study and develop a particular area of knowledge ➤ pioneering (n), pioneer (v)

10.3 apparatus /əˈpærətəs/ (n) tool or equipment needed for a particular activity or task • Make sure you have collected all the necessary apparatus before you begin the experiment. ① It has no plural form.

10.4 emulate /ˈemjuːleɪt/ (v) try to do sth as well as sb else because you admire them • The young boy admired his father and tried to emulate his achievements by becoming an author too. ➤ emulation (n)

10.5 framework /ˈfremweɪk/ (n) the parts of a building or an object that support its weight and give it shape

10.6 rattan /ˈrætən/ (n) the long thin stems of a SE Asian plant, used for furniture making, etc.

10.7 span /spæn/ (v) stretch right across sth, from one side to the other • The bridge spanned 900 metres across the river. ➤ span (n)

10.8 descend /diˈsend/ (v) come or go down from a higher to a lower level ➤ descent (n)

10.9 collapse /ˈkələps/ (v) fall down or fall in suddenly, often after breaking apart • Suddenly, we heard a loud noise and minutes later our tent collapsed to the ground.

10.10 in the nick of time /ɪn ˈdɪ ˈnɪk ˈtʌm/ (idm) at the very last moment, just in time before sth bad happens • We arrived at the station in the nick of time – our train was just about to leave.

10.11 unheard of /ˈʌn ˈhɑːrd ʌv/ (adj) that has never been known or done, very unusual • To win the lottery twice is completely unheard of!

10.12 altitude /ˈæltɪtjuːd/ (n) the height above sea level

10.13 thin (air) /θɪn (ə)/ (adj) containing less oxygen than usual

10.14 airship /ˈɛəʃɪp/ (n) a large aircraft without wings, filled with a gas which is lighter than air, and driven by engines

10.15 steer /stɪə(r)/ (v) control the direction in which a boat, car, etc. moves

10.16 pannier /ˈpæniə(r)/ (n) a type of basket, usually hung in pairs from the back of a bicycle or motorbike

10.17 attach /əˈtʃeɪt/ (v) fasten or join one thing to another • Don’t forget to attach a photograph to your passport application form. ➤ attachment (n)

10.18 declare /dɪˈkleə(r)/ (v) state sth firmly and clearly, usually in public • The Mayor declared that the council would address the increasing traffic problems in the city centre as soon as possible. ➤ declaration (n), declared (adj)

10.19 rod /rɔd/ (n) a long straight piece of wood, metal or glass

10.20 linen /ˈlɛmən/ (n) a strong material, used to make high-quality clothes

10.21 concave /ˈkɒnˈkeɪv/ (adj) (of an outline or a surface) curved inwards

10.22 tailpiece /ˈteɪlipiːz/ (n) a piece sticking out from the back section of an aircraft

10.23 rudder /ˈrʌdə(r)/ (n) a piece of wood or metal at the back of a boat or an aircraft that is used for controlling its direction

10.24 launch /lɑːntʃ/ (v) send sth such as a spacecraft, weapon, etc. into space, into the sky or through water • Sweden is about to launch a new telecommunications satellite ➤ launch (n)

10.25 leap /liːp/ (n) a long or high jump ➤ leap (v)

10.26 device /dɪˈvɑːs/ (n) an object or a piece of equipment that has been designed to do a particular job • Cars these days are equipped with all kinds of devices such as alarms, ABS and so on.

10.27 sacrifice /ˈsɛkrɪfɪs/ (n) the fact of giving up sth important or valuable to you in order to get sth more important • Erica made a big sacrifice when she gave up her career to look after her sick husband. ➤ sacrifice (v)

10.28 triumph /ˈtraɪəmp/ (n) great success, achievement or victory • His ‘Hamlet’ was a triumph. The audience and the critics said it was the best performance they had ever seen. ➤ triumphant (adj), triumphantly (adv), triumph (v)

10.29 short-lived /ˈʃɔːt ˈlɪvd/ (adj) lasting only for a short time • Their short-lived marriage was certainly not a happy one and they divorced within a year.
**Phrasal verbs**

**build sth into sth** make sth a permanent part of a larger area

- Many modern cars have a computerised system built into them which helps to control the steering.

**come about** happen

- I’m not sure how the problem came about. The computer just stopped working.

**get about** move from place to place or from person to person

- How will you get about now that your car has broken down?

**get around** move from place to place or from person to person

- Tamara usually gets around on her bike.

**go out with (sb)** (especially of young people) spend time with sb and have a romantic relationship with them

- Leslie used to go out with my brother, but they broke up two months ago.

**miss out** fail to benefit from sth useful or enjoyable by not taking part in it

- When my son told me he didn’t want to go on the trip, I told him it would be a shame to miss out on such an experience.

**touch down** (of a plane, spacecraft, etc) land

- The plane touched down safely and ahead of schedule.

**try out** test or use sb/sth in order to see how good or effective they are

- Simon suggested I try out a new cleaning product for the garage floor. He says it works miracles on difficult stains.

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10.30 **fortune** /ˈfɔːtʃən/ (n) a large amount of money

- Todd’s new Ferrari must have cost a fortune!

10.31 **patent** /ˈpeɪntɪn/ (v) obtain an official right to be the only person to make, use or sell a product or an invention

- You have to patent your invention before you can make money from it.

10.32 **yawn** /jɔːn/ (v) to open your mouth wide and breathe in deeply through it, usually because you are tired or bored

- He yawned and stretched before getting out of bed.

10.33 **urgency** /ˈɜːrʒənsi/ (n) situation that needs to be dealt with immediately

- I must stress the urgency of sending food to the areas which have been cut off by the snow.

10.34 **corporal** /ˈkɒprəl/ (n) a member of one of the lower ranks in the army

10.35 **accidental** /ˈæksɪdəntl/ (adj) happening by chance, not planned

- Our meeting was quite accidental, we just happened to see each other in the street.

10.36 **adhesive** /ədˈhɪsɪv/ (n) substance that you use to make things stick together

- Adhesive tape is very useful for holding papers together.

10.37 **choir** /ˈkɔːə(r)/ (n) a group of people who sing together, especially in church services or public performances

- The choir was magnificent in their Christina Figueres performance.

10.38 **can opener** /ˈkæn əʊpənə(r)/ (n) a tool for opening tins of food

10.39 **digger** /ˈdɪgə(r)/ (n) a large machine that is used for digging up the ground

- The digger excavated the foundations of the new building.

10.40 **mint** /mɪnt/ (n) a sweet flavoured with peppermint (a plant used to give flavour to food that produces an oil with a strong flavour)

- Do you want a mint? It will hide the smell of cigarette smoke on your breath.

10.41 **self-contained** /ˈsɛlfkənˈtænd/ (adj) able to operate or exist without outside help or influence

- While there is a structure to the book, the units are self-contained and can therefore be studied in any order.

10.42 **catchy** /ˈkæʃi/ (adj) pleasing and easily remembered

- They wanted to give their children’s clothes shop a catchy name and decided to call it ‘Mama’.

10.43 **foodstuffs** /ˈfuːdʌstʃəz/ (n pl) any substance that is used as food

10.44 **swearing** /ˈswɛərɪŋ/ (n) rude or offensive language used especially when angry

- He knew he would be in trouble if he swore.

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**Grammar and practice**

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**Listening**

10.45 **self-confessed** /ˈsɛlfkənˈfest/ (adj) admitting that you are a particular type of person or have a particular problem

- She’s a self-confessed shopaholic – she doesn’t deny that she simply can’t stop buying things.

10.46 **freak** /friːk/ (n) a person with a very strong interest in a particular subject

- She’s one of those fitness freaks who do nothing else but work out at the gym.

10.47 **beyond your comprehension** /bɪˈjɒnd jə kəmpəˈθɛnʃən/ (phr) you are unable to understand

- I’m sorry, but I just can’t understand beyond your comprehension.

10.48 **cringe** /krɪŋ/ (v) feel very embarrassed and uncomfortable about sth

- Jamie cringes with embarrassment when she watches any of her early films. She thinks that the roles she played back then were terrible.
Vocabulary

10.59 lexicographer /ˈlekstɪkɔrəfər/ (r/ (n) a person who writes and edits dictionaries ➤ lexicography (n)

10.60 distinctive /ˈdɪstɪŋktv/ (adj) being different and easily noticed ➤ Blue cheese has a very distinctive taste. It's like no other cheese you'll ever try. ➤ distinction (n), distinct (adj), distinctly (adv), distinctively (adv)

10.61 lock /lɒk/ (n) a few hairs that hang or lie together on your head ➤ She brushed a lock of hair out of her eyes.

10.62 mass-produced /ˈmæs prəˈdʒʊst/ (adj) produced in large quantities ➤ These toys are mass-produced in enormous factories in China and are very cheap. A hand-made wooden toy is much more expensive.

10.63 cold-blooded /ˈkəʊld ˈblaʊd/ (adj) showing no feelings or pity for other people ➤ The police can't find any obvious reason for the killings. Whoever is responsible for them is just a cold-blooded murderer. ➤ cold-bloodedly (adv)

10.64 hard-wearing /ˈhɑːd ˈwɛərnɪŋ/ (adj) that lasts a long time and remains in good condition ➤ These jeans are quite expensive but they are very hard-wearing and will last for years even if you wear them all the time.

10.65 feature /ˈfiːtʃə(r)/ (n) Here: characteristic, a part of sb's face, Also: something important, interesting or typical of a place or thing ➤ Elizabeth Taylor's eyes were her most distinctive feature.

writing

10.66 still /stɪl/ (n) a photograph of a scene from a film or video ➤ When I go to the cinema I like looking at the stills from the film which are often displayed outside.

10.67 review /rɪˈvjuː/ (n) a report in a newspaper or magazine in which sb gives their opinion of a book, play, film/movie, etc. ➤ review (v)

10.68 chest /tʃest/ (n) a large strong box, usually made of wood, used for storing things

10.69 instalment /ˈɪnstəlmənt/ (n) one of the parts of a story ➤ That new series on TV last night was really good. I can't wait to see the next instalment!

10.70 stunning /ˈstʌmɪŋ/ (adj) extremely attractive or impressive ➤ stunned (v), stunned (adj), stunningly (adv)

10.71 first rate /fɜːst ˈreɪt/ (adj) excellent, of the highest quality ➤ Shall we go to that new Chinese restaurant tonight? Apparently it's got first rate food and excellent service.

10.72 groan /ɡroʊn/ (v) makes a long deep sound because you are annoyed, in pain, or with pleasure ➤ We all groaned when Uncle Frank started another of his stories about his army days! ➤ groan (n)

10.73 on the edge of your seat /ɒn ˈedʒ əʊ/ (idm) very excited ➤ It was such a dull party that I wave my wand and … hey presto! I wave my wand and … hey presto! ➤ hey presto (n)

10.74 compass /ˈkæmpəs/ (n) an instrument for finding direction, with a needle that always points north

10.75 dull /dʌl/ (adj) uninteresting, not exciting ➤ It was such a dull party that we went home after an hour. ➤ dullness (n)

10.76 tedious /ˈtiːdiəs/ (adj) boring ➤ Her long description of her holidays soon became really tedious, but I didn't want to interrupt her. ➤ tediousness (n), tediously (adv)

10.77 witty /ˈwɪti/ (adj) able to say or write clever, amusing things ➤ Children can be particularly bright and often make witty remarks that surprise us all. ➤ wit (n), wittily (adv)

10.78 wooden /ˈwʊdn/ (adj) (in acting) not showing enough natural expression, emotion or movement ➤ He's considered a brilliant actor, but I found his acting in his latest film rather wooden.

10.79 out of this world /aʊt əʊ ˈwɜːld/ (phr) incredibly good, beautiful, etc.
Phrasal verbs with keep

keep off 1) avoid eating, drinking or smoking sth • You must keep off alcohol while you’re on antibiotics. 2) (for rain, snow, etc.) not fall • Luckily, the rain kept off so we were able to finish the roof without any more problems.

keep on continue • Jane just keeps on talking for hours. She never stops!

keep up continue sth at the same high level • With so many responsibilities, I’m amazed she manages to keep up her music practice as well as everything else.

keep up with 1) learn about or be aware of the news, current events, etc. • I like to read the newspaper and keep up with the news and events of today. 2) make progress or increase at the same rate as sb/sth • My daughter was ill last week and she’s finding it difficult to keep up with the class now.

Workbook

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Reading

10.88 adapt /ədˈæpt/ (v) change sth in order to make it suitable for a new use or situation • In his new film, Jackson has adapted the classic play for the screen. ▶ adaptation (n), adaptable (adj) ① Do not confuse adapt with adopt which means to start to use a particular method or to show a particular attitude towards sb/sth.

10.89 windscreen wiper /ˈwɪndskrɪn wɜːpə(r)/ (n) a blade with a rubber edge that moves across the front window of a car to clear it of water

10.90 apparently /əˈpærəntli/ (adv) according to what you have heard or read, according to which the way sth appears • I was sure he was in New York on holiday, but apparently he had returned earlier. ▶ apparently (adj)

10.91 windshield /ˈwɪndʃɪld/ (n) the front window of a car ▶ American English: windscreen in British English.

10.94 reflect /rɪˈflekt/ (v) throw back light, heat, sound, etc. from a surface • The mirror reflected the sun’s rays from the window and made the room warm and cosy. ▶ reflection (n), reflector (n), reflective (adj)

10.95 stud /stʌd/ (n) a small metal or plastic object that is fixed onto a surface and sticks out from it

10.96 reap /riːp/ (v) obtain sth, especially sth good • Robbie has reaped the rewards of all that hard studying with his excellent exam results.

10.97 ejection seat /ɪˈdʒekʃən sɛt/ (n) a seat that allows a pilot to be thrown out of an aircraft in an emergency ▶ American English: ejector seat in British English.

10.98 strap /streɪp/ (n) a strip of leather or fabric used to fasten, carry or hold sth • When my handbag strap broke, the things I had inside scattered all over the floor.

10.99 buckle /ˈbʌkl/ (n) a piece of metal or plastic used for joining the ends of a belt or for fastening a strap on a bag, shoe, etc. ▶ buckle (v)

10.100 lap /læp/ (n) the top part of your legs that forms a flat surface when you are sitting down • When I was a child, I used to sit on my grandfather’s lap and listen to his stories.

10.101 hip /hɪp/ (n) the area at either side of the body between the top of the leg and the waist
10.102 (turn) indicator /'tɜːn/ 'indikətə(r)/ (n) the device in a car which flashes a light to show that you are turning
10.103 enthusiast /mθjuːziest/ (n) a person who is very interested in sth and spends a lot of time doing it • Being a jazz enthusiast, he thoroughly enjoyed last night's concert at the Music Hall.
10.104 keep on /ki:p 'on/ (phr v) See Phrasal verbs with keep
10.105 keep off /ki:p 'ɒf/ (phr v) See Phrasal verbs with keep
10.106 keep up with /ki:p 'ʌp wið/ (phr v) See Phrasal verbs with keep
10.107 keep up /ki:p 'ʌp/ (phr v) See Phrasal verbs with keep
10.108 reunion /rɪˈjʌmɪn/ (n) a social occasion or party attended by a group of people who have not seen each other for a long time • I'm organising a reunion of all the people I was at school with. ➤ reunite (v)
10.109 go out with (sb) /gəʊ 'aʊt wið/ (phr v) See Phrasal verbs

**Vocabulary**

10.110 get carried away /get kærəd 'weɪ/ (idm) get very excited or lose control of your feelings • On my first trip abroad, I got so carried away that I bought souvenirs for everyone I know!

**Listening**

10.111 touch down /tʌtʃ 'dɑːn/ (phr v) See Phrasal verbs
10.112 fuel /fjuːl/ (n) any material that produces heat or power, usually when it is burnt • Most cars now run on unleaded fuel. ➤ fuel (v)
10.113 particularly /pə'tɪkjuːləlɪ/ (v) especially, more than usual or more than others • I love fruits, particularly oranges. ➤ particularity (n), particular (adj)
10.114 unlikely /ʌnˈlɑːrkli/ (adj) not probable • It's unlikely that Jane will come to the cinema, she wasn't feeling well today.
10.115 get about /get əˈbaʊt/ (phr v) See Phrasal verbs
10.116 profound /praʊˈfaʊnd/ (adj) very great; felt or experienced very strongly • The new highway has had a profound effect on the small village.
10.117 come about /kəm əˈbaʊt/ (phr v) See Phrasal verbs
10.118 get around /get əˈraʊnd/ (phr v) See Phrasal verbs
10.119 chance /ˈʧʌns/ (n) a possibility of sth happening, especially sth that you want • Is there any chance of getting tickets to tonight's concert?
10.120 futurologist /fjuːtəˈrɒlɒɡɪst/ (n) sb who can imagine what the future will be like ➤ future (n), futuristic (adj)
10.121 runway /ˈrænweɪ/ (n) a long narrow strip of ground with a hard surface that an aircraft takes off from and lands on
10.122 detach /diˈtætʃ/ (v) remove sth from sth larger, become separated from sth • Detach the lower part of the ticket and keep it as your receipt.
10.123 vehicle /ˈvɪʃəkl/ (n) a thing that is used for transporting people or goods from one place to another, such as a car
10.124 winding /ˈwɑːndɪŋ/ (adj) having a curving and twisting shape • On such a winding road, it was very difficult to overtake the car in front.
10.125 the case /ðə 'keɪs/ (n) the true situation • They say it's going to rain tomorrow. If that's the case, we'd better call off our picnic.
10.126 firm /fɜːm/ (n) a business or company • My father works for a big firm in London.
10.127 at any rate /ət 'eni ret/ (phr) used to show that you are being more accurate about sth that you have just said • We have to go to bed early; on weekdays at any rate.
10.128 prevent /prɪˈvent/ (v) stop sb from doing sth, stop sth from happening • Parents should prevent their children from hurting themselves. ➤ prevention (n), preventive (adj)
10.129 airfield /ˈeəflɪd/ (n) an area of flat ground where military or private planes can take off and land
10.130 damage /ˈdæmɪdʒ/ (n) physical harm caused to sth which makes it less attractive, useful or valuable • It's unbelievable how much damage the new harbour has done to our city. ➤ damage (v)
10.131 safety /ˈsefti/ (n) the state of not being dangerous • All passengers should wear a safety belt, in case there's an accident. ➤ save (v), safe (adj), safely (adv)
10.132 rubbish /ˈrʌbɪʃ/ (n) things that you throw away because you no longer want or need them • Could you please throw the rubbish away as you go out, Kevin?
10.133 reactor /rɪˈæktr(r)/ (n) a large structure used for the controlled production of energy
10.134 hydrogen /ˈhaɪdrədʒən/ (n) a gas that is the lightest chemical element; it forms water when combined with oxygen
10.135 oxygen /ˈɒksədʒən/ (n) a gas present in air and water that is necessary for people to live
10.136 sensor /sensə(r)/ (n) a device that can react to light, heat, pressure, etc. in order to make a machine, etc. do sth or show sth • All museum rooms are equipped with heat sensors and the air-conditioner turns on when the temperature goes above 25o C.
10.137 pedestrian /poʊˈdestriən/ (n) a person walking in the street and not travelling in a vehicle
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**Writing**

- **10.152** **clone** | (v) to produce an exact copy of an animal or plant from its cells | (v)