

Workbook: answer key

Unit 1

1a (pages 4 and 5)

1

- 1 his book about scientific inventions
2 some rules of life (that he read about 15 years ago in a book by Charles Sykes)

2

- 1 unjust 2 can't expect 3 more strict 4 a beginning
5 your 6 have to be done by everyone
7 seldom 8 technical expertise

3

- 1 Currently 2 about 15 years ago 3 Before that
4 next year 5 Many years ago 6 at the time
7 Over the last 20 years 8 rarely 9 Sooner or later

4

- 1 am (or 'm) taking 2 attended 3 had never been
4 seem 5 have (or 've) been wondering 6 will (or 'll) have

5

- 1 said (than) done 2 valuable 3 guiding
4 point 5 from (my) mistakes 6 thumb

6

One of the problems with advice is that people tend to interpret it to suit their own purposes. An example of this is the wisdom of the 18th-century economist Adam Smith. One of his main ideas was that if you allow people to seek wealth for themselves, they will naturally create jobs and wealth for others. He called this "the invisible hand." People trying to improve their own situation also help their neighbor improve theirs, but without meaning to, as if with an invisible hand. Unfortunately, a lot of people took Smith to mean that it was all right to be greedy and selfish and not to help others directly, which is not at all what he meant.

1b (pages 6 and 7)

1

b

2

- 1 T 2 T 3 T 4 F 5 F 6 F

3

past perfect continuous: *Had they already been thinking*
present perfect continuous: *have been following*
past continuous: *were looking at*
present continuous: *are continually changing*
future continuous: *will be calling me*

4

- 1 a) is already b) is becoming, i.e. it's a trend
2 a) statement of fact b) suggests irritation about this situation
3 a) the list is finished b) the list isn't complete — they are still working on it
4 little difference in meaning although b) suggests they thought about it for some time
5 a) I decided after I got married b) I decided at or around the time of the marriage
6 a) statement of fact b) the speaker expects that they are hoping

5

- 1 Had you been waiting
2 Has someone been smoking or Is someone smoking
3 had been playing, fell
4 am working or will be working
5 have been living, are repairing or have been repairing
6 have heard

6

- 1 c 2 e 3 d 4 b 5 a

7

- 1 peace and quiet 2 short and sweet 3 aches and pains
4 Now and then 5 fun and games 6 First and foremost
7 By and large

9

- a5 b4 c6 d1 e2 f3

1c (page 8)

1

- 1 T 2 T 3 F 4 F 5 T 6 F

2

- 1 b 2 a 3 a 4 a 5 b 6 a

3

- 1 b 2 a 3 b 4 a 5 b

4

- 1 larger 2 saver 3 walks 4 fact 5 lifelike 6 time

1d (page 9)

1

Conversation 1
Place: conference
Teresa: conference organizer and lecturer in Social Sciences in Toronto
Ana: academic in Social Sciences at Deusto University in San Sebastian, Spain

Conversation 2

Place: bus stop at airport
Jeff: elementary school teacher
Khalid: masters in Physics. Is come from Amman in Jordan

2

Conversation 1

1 think of 2 should have 3 Whereabouts 4 feel like

Conversation 2

1 heading 2 by (the) way 3 going, studying 4 impressive

3

1 a 2 a 3 b 4 b 5 b

4a

1 What did you think of 2 What kind of 3 What's it like

4 I should have mentioned 5 How are you finding

6 have you been here

5

Students' own answers

1e (page 10)

1

1 pay grade 6 2 manager 3 18 months

2

1 weeks 2 in other words 3 months 4 years

5 to be confirmed 6 for example

3

1 approx. 2 reg or re 3 incl. 4 etc. 5 10 a.m. 6 hrs

7 NB 8 pc or % 9 2nd or sec (time) 10 p.w. or /wk

4

Jeff called at at eleven o'clock (this morning). He wants you to go to Atlanta to discuss the contract details, i.e., commission, quantities, etc. The time of the meeting is to be confirmed. Note that he isn't in the office until Thursday. (Note that *i.e.* and *etc.* are perfectly acceptable in writing.)

5

New policy

no limits on how much/little vacation staff can take
try policy out for limited period, i.e., 6 mths
not entirely sure if going to work, but pretty confident

Reasons for policy

much better to be adult and responsible—all have busy
working lives + busy lives outside work
given a little freedom, organize time better

Employee responsibilities

NB not an excuse to take as much time off work as possible
can't organize completely independently—negotiate with
colleagues to avoid disruptions
also still have work targets to reach

Details

start date TBC—2nd half of this year
policy applies to every employee incl. part-time staff
reviewed after approx. 4 mths

Wordbuilding / Learning skills / Check! (page 11)

1

1 or 2 or 3 and 4 and 5 but 6 and 7 and 8 or
9 and

2

1 give and take 2 wear and tear 3 more or less, out and
about 4 sink or swim 5 cut and dried, take it or leave it
6 slowly but surely, live and learn

3

1 You can sound more natural, impress your audience, and
create more vivid images to support your arguments.

2 It doesn't sound natural

3 a T b F Putting a correct idiom in an otherwise incorrect
sentence could sound odd. c T d F Use idioms that have
widespread and established use. e F Slang is very informal
language that is usually spoken rather than written.

4

1 no 2 yes

5

1 a sit b work c yourself d blind

2 a dreamer b joker c outgoing

3 a nowadays, generally b at the moment
c so far, recently d up to then

Unit 2

2a (pages 12 and 13)

1

1 in Tibet

2 a small fungus (called *yartsa gunbu*), because it is highly valued

3 herding yaks and/or sheep

2

1 searching 2 medicinal 3 caterpillar 4 stalk 5 take
6 energy 7 soared 8 ecologists 9 overpicking

3

1 get by 2 get out of 3 get back to 4 gets over
5 getting at 6 get around to 7 get away with

4

1 has dropped 2 are looking for 3 has been known

4 had been searching, found 4 started

6 has grown 7 will have disappeared 8 will be searching

5

1 has shown (*or shows*) 2 helps 3 have criticized (*or*
criticize) 4 is based 5 showed 6 had used 7 has not
exploited 8 has been 9 will be developed 10 is

6

1 livelihood 2 task 3 trade 4 vocation 5 living

7

/ɪ/
 medicinal
 specimen
 specific
 caterpillar
 artist

/iː/
 previous
 kilo
 visa

/aɪ/
 private
 unscientific
 survive
 prescribe
 tiny
 revitalize
 financial

8

- 1 I've been traveling in this region for many years and I'd seen this phenomenon before but never paid much attention to it.
- 2 Well, often you'll visit a place with a particular story in mind. Then, while you're researching it, you find something else catches your interest.
- 3 I was very struck by how well-off people in the village seemed compared to when I'd last visited. So I decided to investigate.

2b (pages 14 and 15)

1

- 1 They swim very fast; they are difficult to find (because of overfishing and the use of seine nets which has reduced the numbers by 80 percent); they weigh in excess of 300 kilos and so are difficult to land.
- 2 (deep-sea) line fishing

2

1 T 2 F 3 F 4 N 5 F 6 F

3

1 d 2 e 3 a 4 g 5 b 6 f 7 c

4

- 1 be on the safe side 2 better to be safe than sorry.
- 3 second nature 4 cut corners 5 follow the correct procedure/do things by the book /err on the side of caution

5

- 1 The trip had been organized by my friend, Troy.
- 2 Once the fish have been found, that's only the beginning of your task.
- 3 In "purse seine" fishing, big circular nets are used to trap the tuna.
- 4 The Atlantic tuna population has been devastated by "purse seine" fishing in the last thirty years.
- 5 Troy jumped on the rod so that the line could be kept tight.
- 6 The fish started to get tired of being chased.

6

- 1 was (or got) called 2 being told 3 could/might get injured
- 4 being (or to be) driven 5 don't get paid 6 Were you invited or Have you been invited

7

- 1 you would not include fishing (but passive also possible)
- 2 being killed
- 3 they are forced (but active also possible)
- 4 Loggers also work long hours
- 5 fewer people are employed
- 6 breathing in poor air

2c (page 16)

1

c

2

- 1 a geography teacher 2 memorizing dots on a map
- 3 outdoor 4 adventures 5 unaltered reality of the city
- 6 by walking 7 high-level thinking 8 creative and innovative

3

1 a 2 b 3 b 4 a

4

1 a 2 c 3 d 4 b

5

- 1 She got off on the wrong foot, but relations with her colleagues are much better now.
- 2 I hope I didn't put my foot in it when I told her how like her sister she was.
- 3 I've never been good at dancing — I have two left feet.
- 4 She really shot herself in the foot by not taking the promotion when she was offered it.
- 5 People often ask me why I didn't follow in my father's footsteps and become a doctor like him.
- 6 I'm now working for Google. I was very lucky to get my foot in the door because so many people want to work there.

2d (page 17)

1

- 1 conscientious 2 reliable 3 enthusiastic 4 motivated
- 5 focused 6 flexible 7 well-organized 8 resourceful

2

- 1 infrastructure projects 2 He spent one year working on a transportation and metro hub, where he helped to design (or adapted) the program for planning work schedules for staff.

3

- 1 conscientious — got an award for his previous work
- 2 well-organized — he says he's good at planning and organization
- 3 resourceful — he had to adapt a computer program
- 4 enthusiastic and motivated — he's keen to work for an international company and says he is enthusiastic about learning

4

1 experience 2 infrastructure 3 particular
4 authorities 5 relevant 6 suitability

5

Students' own answers

2e (page 18)

1a

a attracts *or* attracted b available c response d Currently
e As, suitable f attached g taking, consider h requirements

1b

1 c 2 f 3 d 4 e 5 a 6 h 7 g 8 b

2

The missing elements are:

- 1 when it was advertised
- 3 your present situation
- 4 why you are suited to the job

3

Example answers:

... in response to your advertisement on the Jobsonline website (1) this week ... and relevant experience. ...
(3) I am currently working in a temporary position for a local charity making calls to potential donors. (4) As someone who understands the education sector and has experience of fundraising, I think I am a suitable candidate.

Wordbuilding / Learning skills / Check! (page 19)

2

1 d 2 h 3 e 4 a 5 g 6 c 7 f 8 b

4

Possible answers:

- 1 a to inform, to persuade b gist c What is different about this book? Have attitudes to childhood changed?
- 2 a to inform, to give opinions b gist and specific information c What is the movie about? Would they recommend it?

5

1 eagle hunters b Moken c smokejumpers
2 a wait a long time b see well c descend at the right speed, without being carried too far away from their intended landing point
3 a back, later b *get*
4 a not, contact b my, in c I, hearing, you, d job, male
Name: Jimmy Chin

Unit 3

3a (pages 20 and 21)

1

Possible answers:

	Glastonbury	Ghent
Location	west of England	Belgium
Size of town	NM	250, 000 inhabitants
Type of town	market town, now with mix of residents — older and more conservative, and younger and alternative	university town, historic town, port, industrial
Reasons for liking	Full of vegetarian restaurants, second-hand music shops, bookshops that specialize in magic and ancient mysteries, shops selling healing crystals; wacky	lively and friendly, open-minded people, lots to do—good music scene, interesting museums and galleries, beautiful architecture, nice parks

2

1 b 2 a 3 b 4 b 5 c 6 a

3

1 g 2 a 3 d 4 f 5 h 6 b 7 e 8 c

4

1 ghost 2 quaint 3 shanty 4 sprawling 5 messy
6 characterless 7 sleepy 8 resort

5

1 fairly 2 quite a sleepy 3 rather
4 quite like it 5 cheating slightly 6 quite 7 particularly
8 pretty 9 a bit

6

1 very 2 particularly *or* very *or* really 3 quite *or* fairly *or* pretty 4 quite 5 fairly *or* pretty *or* rather *or* really
6 quite *or* rather

7

1 and 5 mean "but probably not enough."

8

A: How was your trip to Russia?

B: Great, thanks. We had a fairly packed schedule, but it was very interesting. We started in Moscow and saw the sights around Red Square. Strangely, the thing I loved most was the subway. Each station is like a work of art in itself. The service is pretty efficient, too.

A: And how did it compare to St. Petersburg?

B: Very different. St. Petersburg is a very grand and gracious city. Actually, it feels a bit closer in atmosphere to other cities in central Europe, whereas Moscow doesn't feel

particularly European. But that's the thing about Russia. You don't realize what an enormous and diverse country it is until you travel there.

3b (pages 22 and 23)

1

- 1 Geography: Mustang is a former kingdom in northcentral Nepal; Climate: the climate is incredibly inhospitable; (wind-savaged)
- 2 10,000 (conservatively estimated)
- 3 It was a center of scholarship and art, and a key place on the salt trade route from Tibet to India.
- 4 most showed signs of domestic habitation; in others there were stunning treasures: in one cave, a 26-foot-long mural; in another, 8,000 calligraphed manuscripts; many seemed to be elaborate tombs full of amazing riches
- 5 burial chambers
- 6 For safety. Because the territory was frequently fought over, they placed safety over convenience and took refuge in the caves.

2

- 1 extremely 2 entirely 3 incredibly 4 completely
- 5 very 6 extremely 7 very 8 quite

3

- 1 incredibly *or* really *or* very 2 absolutely *or* completely *or* totally
- 3 absolutely *or* quite 4 incredibly *or* really *or* very
- 5 absolutely *or* really 6 incredibly *or* really *or* very
- 7 completely *or* totally 8 quite

4a

- 1 I'm utterly exhausted.
- 2 I'd really appreciate that.
- 3 It's so hot today.
- 4 It's OK. I quite understand.
- 5 You're absolutely right.
- 6 It's very difficult to say.

5

- 1 e 2 h 3 g 4 a 5 f 6 d 7 i 8 b 9 c

6

- 1 wildly optimistic 2 vaguely familiar 3 mildly amused
- 4 perfectly reasonable 5 deadly serious 6 painfully slow

7

- 1 L 2 L 3 L 4 S 5 C 6 S 7 C 8 E 9 H 10 H

3c (page 24)

1

- 1 It means copying good design from nature and applying it to things that are man-made.
- 2 the architect Gaudi took inspiration from nature in his design of the Sagrada Familia and the materials he used; the Swiss Re Tower is built in a shape taken from nature; the chimneys in the Eastgate Centre in Harare imitate the heating and cooling system in a termite mound

2

- 1 a 2 c 3 b 4 b 5 b 6 c

3

- 1 a 2 b 3 b 4 b

4

- 1 Stand 2 grounds 3 new, in 4 get off 5 covered

3d (page 25)

1

- For: 1) people won't have to waste time going down to the cafeteria to get their coffee; 2) it will encourage employee interaction
Against: staff might spend too much time there away from productive work

2

- 1 all, basically 2 recommend 3 have to 4 disagree with
- 5 shouldn't underestimate 6 much, favor, given
- 7 by, way, touch

3a

- 1 d 2 y 3 t 4 w 5 w

3b

- 1 first of all
- 2 with a bit of luck
- 3 as far as I'm aware
- 4 between you w and me
- 5 at the j/y end of the day
- 6 I have no w idea, I'm afraid

4

- Students' own answers

3e (page 26)

1

- a 4 b 3

2

- against
the benefits of high-rise building to the wider environment are great; it's not possible to keep expanding our cities outward

3

- 1 b 2 e 3 d 4 f 5 a 6 c

Wordbuilding / Learning skills / Check! (page 27)

1

- 1 rent 2 studio 3 rentals 4 furnished 5 share 6 move
- 7 budget 8 bills 9 properties
- 10 commission 11 tenant 12 landlord 13 deposit
- 14 advance 15 references

4

- 1 There are only two interesting buildings in the area around Newport.
- 2 The Green Belt should definitely be protected from developers.

6

Across: 5 deprived 8 time 9 rich 10 compact 11 en suite
Down: 1 modern 2 a bit 3 seem 4 spacious 6 vibrant
7 debate

Unit 4

4a (pages 28 and 29)

1

Possible answers:

It's a play on words. *Boring* also means "making deep holes."
In this case, it refers to making deep underground tunnels
below cities to serve as a new transportation system.

2

- 1 To go around it, over it, or under it.
- 2 Building channels around sandcastles. (They fill up as soon as you build them.)
- 3 Accidents in the air could also impact those below.
- 4 It's expensive.
- 5 On sleds in underground tunnels.
- 6 smaller single-lane tunnels and more efficient tunneling machines.
- 7 vacuum technology
- 8 up to 900 km an hour

3

- 1 bypass 2 debris 3 pull 4 venture 5 hold 6 tried

4

- 1 likely 2 might 3 could 4 good chance 5 should
6 possibly

5

- 1 Such solutions will probably never work / probably won't work because ...
- 2 Rather than removing the problem, the chances are you are just moving it somewhere else.
- 3 It's possible that collisions or accidents in the air (might/could) have an impact on those below.
- 4 Given his amazing record, he may well pull this off.
- 5 Musk's idea is that his techniques are likely to reduce the cost enormously.
- 6 In his mind is the idea that in the future, the tunnels could use vacuum technology.

6

- 1 could
- 2 will almost certainly come up with
- 3 will probably be
- 4 are likely to be driving (*or* are likely to drive)
- 5 should have
- 6 will probably be
- 7 is unlikely to change

7

- 1 doable, desirable 2 non-negotiable 3 unimaginable
4 irreplaceable 5 insurmountable 6 intolerable

8

- 1 returnable 2 unbreakable 3 drinkable 4 walkable
5 non-washable 6 contactable or reachable

4b (pages 30 and 31)

1

- a 3 b 2 c 4 d 1

2

- 1 scientists 2 day 3 problem 4 money
5 afford 6 tests / rocketry/DIY

3

- 1 a 2 b 3 b 4 b 5 a 6 b

4

- 1 d 2 a 3 f 4 e 5 c 6 b

5

- 1 I must have ridden 2 I should have taken
3 I didn't need to 4 I could have wheeled 5 I had to be
6 I had to find 7 Someone might have dropped

6a

- 1 have 2 have 3 to 4 have 5 to

7

- 1 about 2 across 3 up 4 to 5 up

4c (page 32)

1

- 1 internet and mobile communications
- 2 they are actively involved in spending their money (more "hands on") whereas past philanthropists set up long-term foundations and scholarships for future generations; they want to see a quick return on investment as they would in business

2

- 1 T 2 T 3 F 4 T 5 F 6 F

3

- 1 self-made 2 counterparts 3 return 4 seed money
5 bring about 6 no strings 7 ethos

4

- 1 ethos 2 seed money 3 return 4 bring about
5 self-made 6 counterpart 7 no strings attached

5

- 1 all *or* best 2 thought *or* consideration
3 break *or* chance 4 try *or* go 5 time

4d (page 33)

1

- 1 (school) children 2 It's a bag that also functions as a desk.
3 Not all children have a desk at school or even a table at home.
4 It has compartments for notebooks, pens, and a water holder.

2

1 so original, ask 2 would, want, that
3 how, people, be able

3

1 The bag also functions as a desk.
2 Not all children have a desk at school or even a table at home.
3 The price is a little higher in Europe to help lower the cost of a bag for a family in a developing country.

4

Possible answers:
1 So how does it work?
2 Isn't that kind of expensive /it expensive, you ask?
3 So why would you need one?
4 So, what's our ambition for this?

5

1 Clearly 2 Financially 3 Essentially
4 Of course 5 Honestly 6 Obviously
7 To be honest 8 Basically

6

Students' own answers

4e (page 34)

1

1 Yes, but only in theory.
2 A scheduled discussion between colleagues every two to four weeks; the opportunity to visit other organizations.
3 Giving employees a structure; rewarding employees for good ideas; giving innovation and creativity a more formal role.

2

1 To tell the reader what the report is about.
2 Using bullet points and sequencing words—*first of all*, *secondly*, etc.
3 *In summary*

3

1 be 2 should 3 giving 4 have 5 should visit

Wordbuilding / Learning skills / Check! (page 35)

1

1 drop 2 stroke 3 bit 4 gust 5 hint 6 plot
7 word 8 shred 9 bite

2

a drop of water, a bit of fun, a hint of disappointment, a shred of evidence, a bite to eat

3

2 2

6

1 necessity 2 foldable 3 bionic 4 elevator pitch
5 social entrepreneur

7

1 thought 2 obviously 3 must 4 shrink
Name of company: TOMS

Unit 5

5a (pages 36 and 37)

1

1 Being with knowledgeable guides
3 Meeting fellow travelers
5 No planning—everything is arranged
7 Optional free time

2

1 a 2 c 3 c 4 b 5 a

3

1 sheep 2 million 3 wrong 4 nothing 5 out 6 of

4

1 by 2 and 3 to 4 in 5 from, to 6 to

5

1 What I want from travel is little independence
2 The thing that changed my mind was a guided tour I took.
3 I do like visiting museums.
4 It did make me reassess my whole attitude toward organized tours.
5 What surprised me was how knowledgeable and interesting some of the other travelers were.
6 ... particularly if it's a more remote or not-so-safe place you're visiting.

6

1 The thing I remember best about/from my childhood is how amazing family vacation were.
2 It was enough to have a rough idea of where we were going.
3 We did stop when we saw things that interested us.
4 It wasn't money that was an issue.
5 What I loved was the lack of any kind of routine.
6 When I have children, what I'm going to do is (to) recreate a similar experience for them.

7

1 do 2 did 3 do 4 does

8

Across: 1 cozy 4 slow 7 romantic
Down: 2 officious 3 elegant 5 wary 6 grand

5b (pages 38 and 39)

1

1 to educate the rest of the world about Africa
2 the soccer World Cup in South Africa in 2010
3 They aim to reveal Africa as seen by Africans themselves rather than through the eyes of an outsider.
4 presenting a one-dimensional, stereotyped view of Africa

2

a haphazardly b seize c conspicuous d turbulent
e (her) portrait f stereotyped/clichéd g decree

3

1 a Chinua Achebe Centre for African Writers and Artists
b writer
2 a (The fact that) many things are already familiar to
them b observing the details
3 a Africa b series of travel books c travel books
4 a be b author(s)/writer(s)

4

1 one 2 (omit underlined words) *or* to 3 do (so) 4 others
or other ones 5 This *or* That 6 one 7 to 8 so *or* it is

5a

1 B: Yes, I'd love to.
2 B: No, I have one, thanks.
3 B: No, I'm afraid not.
4 B: Oh, I'm sorry to hear that.
5 B: I hope so.
6 B: Oh, yes. I love a good thriller.
7 B: Catching up on emails.

6

I've been on a few mystery tours, but the one I did in Prague was probably the best. And I'm not the only person to say so. If you look at reviews, you'll hardly find one negative one. I'm not going to give you too many details because that would spoil the surprise if one day you happened to do it, too. What I will tell you is that it started at night and involved a segway, some canoes, a jazz band, and a large breakfast. If that hasn't aroused your curiosity, I don't know what will!

5c (page 40)

1

1 He dreamed about exploring.
2 It had ceased to be a mystery. *or* It had become a place of darkness.
3 He got a job as a ship's captain aboard a steamboat.

2

1 blank spaces 2 rivers, lakes, and names 3 an immense, uncoiled snake 4 He had been killed (in a scuffle with the natives). 5 It was featureless, monotonous, and grim.

3

1 positive 2 No, they haven't. 3 b 4 a 5 cannot speak

4

1 laughing 2 mind 3 course 4 principle 5 way 6 that

5d (page 41)

1

1 To Los Angeles. It was a competition among a group of university friends.
2 A truck driver picked them up within ten minutes.

3 In the morning, they couldn't see the truck driver and they thought he'd had to leave in a hurry. The truck driver returned with coffee and donuts.

2

1 these days 2 We all know that 3 A year ago
4 Amazingly, 5 believe 6 by chance, happened
7 The following morning 8 our dismay
9 Feeling pretty miserable 10 just at that moment

3

a 6 b 10 c 9 d 1 e 4 f 3 g 7 h 8

4a

Long vowel sound: amazement, delight, dismay, frustration, relief, surprise

Short vowel sound: astonishment, embarrassment, horrour, regret, shock, consequence

5e (page 42)

1

¹ It is 1857 and the British Empire in India is facing severe unrest from the indigenous population. For the ruling British class in the northern town of Krishnapur, life is calm and polite until the sepoys at a nearby military fort rise in mutiny and the British are forced to retreat into the British Residency. Food and other supplies become short, disease sets in and the inhabitants' resources are tested to the limit.

This is the first part of J.G. Farrell's empire trilogy, ² an examination of the British Empire in its decline. *The Siege of Krishnapur* serves as a metaphor for this decline as each character is forced to examine their own view of the world.

Although the situation is desperate, ³ Farrell describes it with great elegance and humor, conveying the ridiculousness of the British position. Some would argue that in not describing the hardship and injustice suffered by the local Indian population, Farrell has done them a great injustice. ⁴ But I do not think that was his aim. What he has done is to write both a gripping story and a thought-provoking study of colonial life.

2

d

3

1 provoking 2 packed 3 uneventful 4 fetched
5 convincing 6 wrenching 7 uninspiring 8 poorly

Wordbuilding / Learning skills / Check! (page 43)

1

1 spot 2 managed 3 ruined 4 magical 5 trip 6 well-liked
7 expectations 8 make (it) out 9 set off 10 thrilling

4

1 officious 2 sustainable, expectations 3 magical, unknown
4 graphic 5 cartoonist 6 relief, worryingly
7 thought-provoking 8 transformative

Unit 6

6a (pages 44 and 45)

1

- 1 Rishikesh (India) 2 chronic back pain
3 yes—because he's given up worrying about his bad back

2

- 1 the Beatles arrived in Rishikesh to study transcendental meditation at Maharishi Mahesh Yogi's ashram
2 foreign visitors who go to Rishikesh each year
3 disadvantaged boys that the Parmarth Niketan Ashram supports
4 the man started his exercise regime on the first day
5 the man's visit to the ashram
6 the man can sit cross-legged through a meal

3

- 1 a 2 b 3 b 4 a 5 a 6 a

4

- 1 intransitive 2 intransitive 3 chronic back pain
4 the day 5 mental and physical healing
6 hundreds of thousands of foreign visitors
7 them (the disadvantaged boys) 8 a breathing technique 9 intransitive 10 it (the pain) 11 worrying

5

- 1 put up 2 put up with
3 separable: pull in, put off, give up inseparable: get over, look for, work on

6

- 1 The pain is pretty bad, but I've learned to put up with it.
2 I got the injury playing soccer and it took me a long time to get over it.
3 If you think going to yoga classes will help, then there's no point putting it off.
4 I used to ski a lot, but I gave it up.
5 Reducing the cost of the course for students really pulled them in.
6 Can you put me up for the night on Tuesday when I'm in town?
7 I'm not as limber as I used to be, but I put that down to my age.
8 I can't touch my toes yet, but I'm working on it.

7

- 1 come across 2 set aside 3 take up 4 put someone off
5 takes off 6 get out of 7 carry out 8 fall back on

8

- 1 keep 2 do or get 3 out 4 shape 5 on 6 am or keep
7 watch

9

- A: The other day I looked up what fitness classes there were available locally and I couldn't believe how many there were.
B: Did you come across any that you liked the look of?
A: Not really. I didn't know what half of them were:

Boxercise, Boot camp, Aqua aerobics ... and lots based on dance.

B: You mean like Zumba?

A: Yes. I knew Zumba was a craze that had taken off, but there were others: Jazzercise, Bodyjam. I mean, if you like dancing, why don't you just sign up for a dance class?

B: And do you? Like dancing, that is?

A: Yes, I do. I think that's what I'll do ... take up samba or something.

6b (pages 46 and 47)

1

- 1 Simply put, cross-training means practicing other sports or forms of exercise to improve, indirectly, your abilities in your main or target sport. (para 1)
2 Finally, and most importantly, it prevents athletes from getting the kind of repetitive strain injuries that they often suffer from if they only practice the same activities day in, day out. (para 2)
3 The lesson of cross-training is that the body reacts well to new experiences. (para 4)

2

- 1 c 2 c 3 a 4 b 5 a 6 c

3

- 1 help (more generally) to increase, tend(s) to be, learn to deal with
2 require(s) you to control, enable them to continue (playing)
3 let(s) you build, recommend everyone incorporate
4 mean(s) practicing
5 succeed in performing
6 prevent(s) athletes from getting

4

- 1 to warm up 2 to do 3 doing 4 exercise, (to) see
5 playing 6 about getting 7 for getting 8 to be
9 playing *or* to play 10 playing *or* to play, training

5

- 1 grazed 2 stubbed 3 bumped 4 chipped 5 bruised
6 lost 7 sprained 8 pulled

6

- to be shaken up; to be on the mend; to pass out; to be run-down
1 passed out 2 on the mend 3 run-down 4 shaken up

7a

They all have the stress on the second syllable except for *practice* and *welcome*.

7b

All the verbs with stress on the second syllable have common prefixes, e.g. *pre-*, *post-*, *de-*, *ex-*.

6c (page 48)

1

b

2

- 1 a is worth around \$200 billion
 b spend over a billion each year on their fingernails alone
 2 Male grooming (now)
 3 regular washing with soap could help turn a dark skin whiter
 4 McDonald's alters its menu to suit the tastes of each local market
 5 a black soap in Africa b in South America as an ingredient in hair dye

3

- Possible answers:
 1 similar/standardized/consistent 2 selling 3 idea
 4 changes 5 shine

4

- 1 long 2 straight 3 it 4 lose 5 music

6d (page 49)

1

- 1 b 2 d 3 e 4 f

2

- 1 elevator 2 air-conditioning 3 staff cafeteria
 4 staff to do sports together

3

- 1 sometimes people who have heavy things to move or who aren't so mobile will want to use the elevator
 2 fresh air from outside wouldn't always be cool
 3 who should be responsible for making the list
 4 not everyone will want to join in with doing sports with other staff

4

- 1 alternative, be 2 realize, easily (work) around
 3 would (be) much 4 Admittedly, but 5 through
 6 know (not) everyone

5a

- 1 I'm not very much in favor of the proposal.
 2 It's not exactly what I had in mind.
 3 It's not a particularly cheap option.
 4 It hasn't proved to be so successful.
 5 I'm not entirely convinced.

6

Students' own answers

6e (page 50)

1

- 1 There is concern that children in the school are not eating healthily enough, and this is affecting both their general health and their academic performance.
 2 Most children are not getting a balanced diet.
 3 That school meals should be compulsory and that they are given the choice of different meals, but not a choice of different items within each meal.

2

- 1 In view of this 2 Overall 3 However
 4 Accordingly 5 apparently 6 specifically

3a

- 1 lunches 2 variety of foods
 3 what packed lunches should include 4 choices
 5 We (also) suggest

3b

Possible answers: 1 serving the meals/who work in the cafeteria; 2 majority of the students; 3 benefit children/be beneficial

Wordbuilding / Learning skills / Check! (page 51)

1

- 1 flashbacks 2 turnout 3 breakthrough 4 follow-up
 4 breakdown 5 lookout 6 faraway

2

- a getaway b cutback c clampdown d show-off
 e drive-through f breakup

4

- 1 a, c, d 2 a, b 3 b, c, d 4 c, d

5

- 1 jogging, swimming 2 Japan 3 India 4 very long
 5 necks 6 only skin 7 calories 8 insurance

Unit 7

7a (pages 52 and 53)

1

A digital cave that allows people to see virtual reality images in 3D.

2

- 1 an archeologist; he does archeology using virtual reality with technologies such as satellite imagery and radar
 2 a totally immersive virtual reality room

3

- 1 a 2 b 3 b 4 b 5 c

4

- 1 repair 2 shirts 3 a knife 4 holy
 5 a burglars b only bad luck 6 to process

5

- 1 Technology is generally thought to be a positive thing.
 2 Plastic debris in our oceans is believed to be changing marine ecosystems irreparably as we speak.
 3 The quest is known to have frustrated scientists and historians for centuries.
 4 The tomb is considered to be an extremely sacred place.

- 5 Lin learns from an ancient text where a particular mountain was supposed to have been in the past.
 6 These new approaches are expected to benefit all kinds of projects in the future.

6

- 1 Lin is thought to be unusual because of his varied interests.
 2 Lin is said to have been inspired by an art historian who uses digital imaging.
 3 Genghis Khan is known to have died far from his homeland.
 4 It is also known that he wanted to be buried in some mountains in the north.
 5 His tomb isn't expected to be found any time soon.

7

- 1 upload 2 blog 3 network 4 tweet 5 posted

8

I was very aware during my travels across Europe, posting my blog and photos, that Paris was going to present a particular challenge. I didn't want to photograph the obvious sites, like the Eiffel Tower, even though I was interested in visiting them all. But as Paris is said to be one of the world's most photogenic cities, instead, I decided to take as few images as possible and come away with some really memorable compositions. So here they are. They're not supposed to be anything more than a small collection of my memories of this wonderful place: more like postcards than photos.

7b (pages 54 and 55)

1

- 1 F (There are so many different channels to choose from—Youtube, Instagram, and Twitter to name just a few—each with a different user profile.)
 2 T (If you use social media incorrectly, it can actually put customers off.)
 3 T (Not using social media is not really an option since it is now a key area in which companies compete with each other for customers' attention.)
 4 T (There are various analytic software tools available at a relatively low cost that monitor both customer traffic and the reaction of those who see your campaign.)
 5 T (You will need an equal mix of promotional material, new ideas, and engaging content.)
 6 F (Remember that it is not how many people you reach but whether you reach people with a message that appeals to them.)

2

- 1 a 2 b 3 a 4 b

3

- 1 Having such a wide choice of different channels to choose from makes it difficult to know where to begin.
 2 Incorrect use of social media can actually put customers off.
 3 There are, however, some simple principles you can follow to ensure success.
 4 Remember that it is not the number of people you reach that matters but the appeal of your message.
 5 Their aim was to raise awareness of the millions of children in the world who walk barefoot.

4

- 1 concern, cost of the work, speed
 2 effect of the, popularity, launch
 3 little interest, sales suddenly
 4 The number of bookings of, late arrival (*could be rephrased as* Camping vacation bookings were down owing to ...)

5

- 1 ballpark 2 loop 3 win 4 rocket 5 practice 6 page
 7 reality

6

- 1 problems 2 contact *or* talk to
 3 exploit / use to one's advantage 4 completely obvious

7c (page 56)

1

A hackathon is an event where computer programmers and web experts come together to design new software or new apps.

2

The focus was on applying technology to serious environmental problems.

3

- 1 hack-day, hackfest 2 a day or a weekend
 3 web, mobile, social media
 4 conserving resources, minimizing pollution, creating cleaner fuels, reducing waste
 5 less ownership and more efficient consumption

4

- 1 start innovating now
 2 dynamic and positive
 3 make comparisons between the energy efficiency of different electrical appliances
 4 some of the sponsors and other companies that were present were clearly very interested in their app
 5 a movement

5

- 1 bank 2 news 3 habit 4 in 5 ice 6 back 7 even

7d (page 57)

1

What is it?	a flesh-ripping dinosaur
Where was it found?	southeastern Morocco
Who found it?	a team of scientists led by Andrea Cau of the Bologna Geological Museum
What does the discovery tell us about this part of Africa?	this area of North Africa seems to have been particularly popular with predatory dinosaurs

2

- 1 is believed 2 probably 3 perhaps
 4 suggests that 5 appears that 6 seems to 7 tended to
 8 Arguably

4

Students' own answers

7e (page 58)

1

- 1 David Attenborough and German zoologists
- 2 They found an even smaller species, *Brookesia micra*.
- 3 On one of the smaller islands off the coast of Madagascar.
- 4 The German team used a different method: searching with flashlights at night when the tiny chameleons climb into the trees and are said to be easier to spot.
- 5 In 2012
- 6 Because it seems to suggest that in certain circumstances, such as being confined to an island, some animals grow smaller in order to adapt to a restricted habitat.

2a

- a it seems to suggest
- b are said to be easier to spot
- c almost
- d generally
- e likely (para 1), certainly (para 3)

2b

- 1 David Attenborough is probably one of the world's best-known nature documentary makers.
- 2 Attenborough seems to have found his pygmy chameleon by looking on the forest floor.
- 3 In 2012, German zoologists apparently found an even smaller species.
- 4 Some animals are believed to grow smaller in order to adapt to a restricted habitat.

3

Example answer:

We already know that some species of snake can fly and it is believed that some can glide up to 100 meters. But up to now no one has been able to understand how they are able to do this. Now a new study from Virginia Tech shows that scientists may have found the answer.

It seems that snakes can flatten their bodies to make a wing shape. In flight, they usually hold their heads up and their tails down, enabling them to glide.

It is not thought likely that this discovery will have any significance for airplane or military technology, but it is certainly true that it will change our view of what snakes are capable of.

Wordbuilding / Learning skills / Check! (page 59)

1

- 1 under 2 out 3 over 4 out 5 out 6 under 7 over
- 8 out 9 under 10 out

2

all three

3

- 1 main verb = implies, subject = the evidence, object = an increase
- 2 subject = the evidence that Jenkins has supplied, object = an increase in the number of people under fifty suffering from memory loss

3 extra information = whether you agree with Jenkins's methods of collecting data or not

5

- 1 social 2 even 3 languages 4 flag 5 invisible 6 emoji
- Word: selfie

Unit 8

8a (pages 60 and 61)

1

- 1 in school 2 Hawaii 3 traditional Hawaiian music
- 4 a variety of styles; cover songs of more popular music
- 5 Because playing an instrument can bring people joy.; you can feel more connected to things around you; it can be relaxing.

2

- 1 hooked 2 synonymous with Hawaii 3 cliques
- 4 freaked out 5 raw human emotion 6 have a blast
- 7 contemplative time

3

- 1 age 2 up 3 stressful 4 picking 5 yoga 6 silly

4

- 1 d 2 e 3 a 4 c 5 b

5

- 1 We just got back from our trip.
- 2 The new museum is just stunning.
- 3 That's just what I think.
- 4 We just use bicycles; we don't own a car.
- 5 There are just under three million people living in the city.

6

Alternates are shown in parentheses.

One of the song titles on Shimabukuro's album *Peace, Love and Ukulele* consists of just three numbers: 143. Shimabukuro says that the song was written for his fiancée at the time and that the significance is that in those days they just had pagers, not cell phones. 143 means "I love you" in numeric code. So he used to page her with (just) that code, in just the same way that some people now text (just) the letters *ILY*. Even after pagers were replaced with cell phones, they still used the code because it was just something they both (just) understood. So the song is just a piece of nostalgia, really.

7

- 1 a, c 2 c, b 3 b, c 4 a, b

8a

- 1 d 2 e 3 a 4 b 5 c

9 and 10

Genres of music: folk, classical

Moods of music: upbeat, expressive, romantic

Musicians: pianist, composer

Ways of singing: hum

Tastes in music: eclectic, conservative

Attributes of a musician: naturally gifted, accomplished

8b (pages 62 and 63)

1

The article mentions Alzheimer's, dementia, multiple sclerosis, and Parkinson's.

2

1 F 2 T 3 T 4 F 5 T 6 T

3

1 is so simplified
2 so as to use
3 to prevent the subject feeling
4 to improve
5 because it lifts
6 so as not to be

4

1 d He left his job at the bank to concentrate on playing music.
2 a We perform live sometimes, but just for fun.
3 e Please turn any phones or music devices off so as not to / in order not to disturb other passengers.
4 c You have to practice to / in order to / so as to get better.
5 b Singers drink a lot of water to avoid getting throat problems.

5

1 play 2 dance 3 tune 4 ears 5 horn 6 chord
7 face

6

Is there a way to learn an instrument fast? What do you think? The answer is almost certainly not, if you want to do it properly. To do anything well takes time and patience. You can take shortcuts to avoid learning each step, but in the end, this will catch up with you. You may reach a certain destination faster, but it won't be the one that you're ultimately aiming for. I always advise people to bear in mind the three "P"s: pay attention to your instructor; practice—to improve, you need to practice as often as possible; and patience. Progress is always slower at first, and ninety percent of people give up within the first year of taking up an instrument.

8c (page 64)

1

1 the harmonica *or* blues harp
2 charismatic and "his own man" (i.e., confident and not easily influenced by others)
3 as a legend

2

1 a 2 c 3 b 4 a 5 c 6 a

3

1 star 2 radio 3 hard 4 five *or* young
5 hands 6 wandering *or* drifting *or* traveling
7 simple 8 negativity 9 charisma 10 Europe
11 influenced 12 respect

4

1 nail 2 miss 3 nerve 4 real 5 record

8d (page 65)

1

1 musical: father a musician, aunt a singer
2 a singer
3 They wanted her to be a doctor or lawyer initially, but in the end, let her find her own way.

2

1 really thought about it 2 good question
3 honestly don't 4 that's difficult to 5 tell you really

3a

Sentences 1, 3, 4, and 6 use wavering intonation.

4

Students' own answers

8e (page 66)

1

1 Indian pop stars, in Bollywood movies everywhere
2 Yes. It's joyous, infectious, feel-good music.

2

1 vibrant, deafening
2 like a throng of happy voices
3 the already hectic nature of Indian city life, an environment that threatens to overwhelm your senses with its vibrant colors, rich smells, and deafening traffic
4 The music is ... joyous and infectious. You can't help tapping your foot along to the rhythm.
5 It's not really my kind of music, and it may not be yours. But I'd be surprised if you weren't carried along in its happy wake.
6 match the prettiest faces on screen with the best voices around; It's not great music, it's feel-good music.

3

Possible answers:

1 friendly faces
2 in modern styles *or* in Western styles
3 are infectious dance songs
4 and its modern side
5 performing dance routines, acting
6 focuses almost entirely on musicals

Wordbuilding / Learning skills / Check! (page 67)

1

1 beep the horn 2 bump your head 3 clap your hands
4 gulp down a drink 5 mumble the words 6 pop a balloon
7 sigh with relief 8 strum a guitar 9 tap on the window
10 yawn with boredom

2

1 sighed 2 pop 3 mumbling 4 tapped 5 yawned

4

1 reggae 2 country 3 calypso 4 experimental 5 fusion
6 opera

5

1 a solo artist b band 2 a tune b chord
3 a Fado b face 4 a electric b eclectic 5 love

Unit 9

9a (pages 68 and 69)

1

- 1 Bruce Farrer's ninth grade students.
- 2 The students' thoughts about what they wanted to do in life and whether they were on the right track.
- 3 Because the students don't see them again for another twenty years (after they'd forgotten about them).

2

- 1 They saw it as just something to keep them busy while he did something else.
- 2 He filed it carefully. And twenty years later he mailed it back to the student who had written it.
- 3 He wants them to enjoy them, like any object you find years later.
- 4 Finding out how their lives have evolved and gratitude from the students for returning the letters.
- 5 That he wouldn't read it if they didn't want him to.
- 6 Because he was a big fan of the Swedish band ABBA.
- 7 dedicated, hard-working, caring, committed

3

1 distinct 2 through 3 track 4 straightforward
5 fulfill 6 profound

4

1 In 2 From 3 at 4 In 5 Back 6 To

5

1 e 2 c 3 d 4 a 5 f 6 b

6

- 1 They handed them in and subsequently forgot about them.
- 2 In spite of retiring fully from teaching in 2006, Farrer kept all the letters carefully filed.
- 3 Following his retirement, he continued mailing the letters back to his former pupils.
- 4 The exercise is greatly valued by his past students, partly owing to the fact that letters are rarer and more precious nowadays.
- 5 Not all the students agreed for him to read their letters. Nevertheless, he has kept and is returning these letters, too.

7

Possible answers:

- 1 Some students were too embarrassed to make their letters public **because** their letters were immature.
or owing to the immaturity of their letters

2 The exercise has had a profound effect on the students.

However, Farrer remains modest about his part in its success.
or Although the exercise ..., Farrer remains modest ...
or In spite of the profound effect that the exercise has had ..., Farrer remains modest ...

3 Farrer thought the idea would inspire his students to write more. **In addition**, he hoped they would think more about the importance of education in their lives.

or As well as thinking that the idea would ..., Farrer (also) hoped that ...

4 Another student wrote that he wanted to go to college and play soccer. **Nevertheless, / In spite of this**, having graduated from high school, he **then/subsequently** went to work in a steel mill.

8

1 uncovered 2 determined 3 evidence 4 indicated
5 clues 6 deduced

9

Archeologists working outside Vienna, Austria, believe they have discovered a huge school for ancient Roman gladiators, rivaling in size the training grounds outside Rome's Colosseum. The facility includes features never before seen at a Roman gladiator school, such as a wooden training dummy and outside its gates, the first known gladiator cemetery. In addition to a walled field for wild animals, it includes a mini amphitheater. Here, gladiators, who were mostly foreign slaves, could practice their moves and perform in front of potential purchasers.

9b (pages 70 and 71)

1

William Thompson crime: small-time fraudster
punishment: sent to prison
Natwarlal crimes: con man, forger, fraudster
punishment: sentenced to 113 years in prison
Ferdinand Demara crimes: impostor, impersonator
punishment: none

2

- 1 He looked and sounded like a gentleman, but he was a criminal.
- 2 have confidence in
- 3 an expert at pretending to look like someone else
- 4 He died before he could be found again.
- 5 He chose roles that didn't threaten other people's positions in an organization and he wasn't interested in money.
- 6 He became too well-known.

3

1 b 2 b 3 a 4 b

4

- 2 Believing: same; they (upper-class citizens)
- 3 Considering: different; (= if we consider) we
- 4 having given: same; he (Natwarlal)
- 5 compared to: same; he (Demara)
- 6 Having published: same; Demara
- 7 Making: different; (=which made) the fact that he became a well-known figure

5

1 Having gained 2 Provided 3 Using 4 Given
5 Assuming 6 Seen 7 having read 8 Considering

6

1 Having tried a few times, she gave up.
2 I stood in front of the White House, amazed at how much smaller it is compared to how it looks on TV.
3 Given that he's so young, it's not fair to ask him to practice the piano for four hours a day.
4 Fearing she would be the first to arrive, she walked around the block a few times.
5 Assuming you're happy with the arrangements, I'll send out the invitations.

7

1 court 2 charged 3 guilty 4 brought *or* tried
5 found 6 fine

9c (page 72)**1**

1 April 28, 1789, off Tofua (in the Pacific Ocean)
2 Christian and his mates were attracted by the idea of living on an island paradise and had had enough of Captain Bligh's strictness and cruelty.
3 Yes for Captain Bligh (he sailed to Timor and then returned to England); No for Fletcher Christian and the other mutineers (only one mutineer was still alive ten years after they arrived at Pitcairn Island)

2

1 to transport breadfruit from Tahiti to the West Indies
2 They were tied up, forced into the launch (a small boat), and cast adrift in the open ocean. From Tofua they sailed to Timor without losing a single man.
3 eight other crew members, six native men, and twelve Tahitian women
4 He stripped her, ran her ashore, and burned her. (Note that ships are sometimes referred to as *she*.)
5 They were captured a year and a half later when the frigate *Pandora* arrived in Tahiti.
6 One of the mutineers, John Williams, took the wife of one of the Tahitians. (They were already resentful that the mutineers had divided the land on Pitcairn between them.)
7 He was shot to death as he worked in his field.

3

1 terrible 2 loaded 3 everything that could be used or sold
4 that the English Admiralty would find him

4

1 sailed 2 breadfruit 3 mutiny 4 commander *or* captain
5 boat 6 ocean 7 returned 8 Tahitians 9 Pitcairn
10 uninhabited 11 stripped *or* burned 12 mutineers *or* Tahitians
13 Tahitians *or* mutineers 14 one

5

1 drawing board 2 across 3 take 4 above 5 overboard

9d (page 73)**1**

1 F 2 T 3 T 4 T 5 F

2

1 mean by 2 Are, saying 3 other words 4 the point
5 right in 6 What, meant

3

a What do you mean by ...? Are you saying ...? Am I right in thinking ...?
b In other words, the point is, What I meant was ...

4a

honor	salmon	castle
subtle	guesthouse	whoever
wrap	psychiatrist	Wednesday

5

Students' own answers

9e (page 74)**1**

1 400 British cavalymen were killed
2 by quoting Bosquet who said it was madness

2

a some hours earlier b The following day

3

1 In those days / At the time 2 a few days earlier
3 Up to/until then 4 the following day/ the next day
5 The previous year / The year before

4

Example answer:
On the morning of May 6th, 1937, the Hindenburg airship passed over Boston, having left Germany three days earlier. Bad weather had delayed its landing at Lakehurst, New Jersey.
Cabin boy Werner Franz was working in the kitchen on the Hindenburg. He planned to visit New York before the Hindenburg returned to Germany the following day. The captain was trying to steer the airship next to a docking tower when there was a loud bang and Franz saw a big ball of flame. The skin of the ship had broken and hydrogen inside had ignited.
The ship crashed to the ground. Onlookers ran for their lives. Franz opened the kitchen hatch where food was pulled up into the kitchen, jumped, and then ran to safety. Ten minutes after the fire had started, there was nothing left of the airship.

Wordbuilding / Learning skills / Check! (page 75)**1**

1 on: base, count
2 for: account, long
3 to: adjust, subscribe

4 in: result, specialize
5 from: benefit, resign

2

1 count on 2 adjust to 3 account for 4 resign from
5 long for 6 result in

5

1 find, out, evidence, clues
2 rights, after, from, in
3 impostor, claim, of, found
4 gold/ivory, spices, sank, coast

Unit 10

10a (pages 76 and 77)

1

The adjectives that match the description of female elephant behavior are: considerate, cooperative, intelligent, and protective.

2

1 b 2 c 3 b 4 a 5 c 6 a

3

1 socially aware (b)
2 in a considerate way (d)
3 (leave) voluntarily (a)
4 long (c)

4

1 Elephants normally eat around 200 kilos of food a day.
2 Although they walk faster than us (approx. seven km/h), elephants still move around in a leisurely way.
3 However, they can move fast if they need to at speeds of up to forty kilometers per hour.
4 Technically, elephants do not “run” (or Elephants do not technically “run”) because they do not lift all feet off the ground at the same time.
5 In spite of their thick skin, elephants are extremely sensitive to touch and can feel a fly if it lands on them.
6 Typically, male elephants leave the herd when they become “teenagers” (or Male elephants typically leave the herd when they become “teenagers”).
7 Elephants undoubtedly have excellent memories, which they use to remember the whereabouts of food and water.
8 Around fifty elephants are killed illegally (or illegally killed) every day for their ivory.

5

1 What makes them socially intelligent?
2 This is well documented.
3 She was wandering around in a disoriented way.
4 This group rejected her—they literally pushed her away.
5 She marched straight over to the other herd.
6 Strangely, she seemed to know which of the elephants in the other herd had been responsible.
7 If they pulled simultaneously on their rope, a table with corn on it appeared before them.
8 The elephants learned fast to coordinate their pulling.

6

1 play 2 do 3 have 4 show 5 lend 6 take

7

1 Research suggests that crows are able to tell the difference between one human being and another from their faces.
2 If one dolphin is sick, another will stay by it and help it breathe.
3 Meerkats can be very selfless: one will often stand watch while the others are playing or eating.
4 Young Emperor penguins often group together and play together in a kind of nursery.
5 Killer whales in the Northern Pacific live with their mothers all their lives.

10b (pages 78 and 79)

1

Many of our most important innovations have their origins in human beings just having a bit of fun.
“We find the future wherever people are having the most fun.”

2

1 industrialization and mechanization
2 the Jacquard loom *or* the computer
3 augmented reality

3

1 Technological progress is one of the benefits of play (rather than play being a benefit of technological progress).
2 a period (in the past) when something was at its most successful
3 They caused big changes.
4 a machine that you could give instructions to and then leave to work
5 only something found in the past

4

1
a Not only were
b Little did anyone realize
c in no way is this
2
To add emphasis or for dramatic effect.
3
a These engineering feats were not only ahead of their time ...
b Nobody really / fully realized at the time the huge implications this ...
c Johnson says that this phenomenon is in no way / not in any way confined to the past.

5

1 will (or do) 2 hardly (or scarcely or barely) 3 than
4 does (or will) 5 rarely (or seldom or don't)
6 Hardly (or Scarcely) 7 is, also

6

1 Under no circumstances should you drink water from the tap.
2 Only very rarely does the Queen of England attend public functions these days. She's quite elderly now.
3 No sooner did the news break than hundreds of journalists gathered at the presidential palace to get more details.
4 Only when you have been in the country for five years can you apply for a working visa.

- 5 Never have I heard such nonsense.
 6 Barely had I had time to put on my waterproof jacket when the most torrential rain started.

7

- 1 Under no circumstances should you open it.
 2 We barely speak anymore.
 3 Not only did he win; he won convincingly.
 4 It's hardly a success, is it?

8

- 1 It takes the fun out of it.
 2 making a play on words
 3 play a joke on
 4 see the funny side of it

10c (page 80)

1

- 1 For bringing peace to Liberia.
 2 She appealed to thousands of like-minded women to play their part in bringing an end to the war.
 3 She spreads her message of hope around the world and continues to campaign tirelessly for social change.

2

- 1 civil war 2 women's peace 3 counselor 4 forgive
 5 a culture of hope 6 the end of the civil war

3

- 1 hurt 2 chained 3 offends 4 skips 5 dream of
 6 move forward

4

- 1 d 2 a 3 e 4 f 5 b 6 c

5

- 1 spirit 2 lunch 3 for-all 4 feel 5 hand

10d (page 81)

1

- 1 It was about success and failure.
 2 He criticized the idea of meritocracy because it suggests that those who are at the bottom deserve to be there.
 3 He suggests that we change our attitudes about people who don't succeed; that we don't make judgments about them.

2

- a, c, d

3

- 1 Watching 2 isn't he 3 too 4 neither
 5 see 6 do 7 doubt it

4a

- 1 I doubt it. 4 I suppose so.
 2 I expect so. 5 It's a good idea, isn't it?
 3 I'm afraid not.

5

Students' own answers

10e (page 82)

1

Possible answers:

He worked hard; he was very ambitious; he'd already had a good educational foundation; he came from a comfortable background; he was intelligent/gifted; he had a natural business instinct; he had the skills and knowledge required to start his own business.

Similar to Bill Gates:

Steve Jobs, Apple founder
 Mark Zuckerberg, Facebook founder

2

- 1 An ability to manage relationships is a key factor in career success.
 2 A survey of commercial and non-commercial organizations in Singapore found that what employers value most highly in employees is the ability to listen, to work with colleagues, and to persuade others.

3a

suggests, implies

3b

- 1 This example illustrates how/that people with good skills go further in life *or* how/that social skills help people go further in life.
 2 We can infer from this example that people with good social skills are likely to go further in life.
 3 This proves that the workplace is changing.
 4 This example points to there being a big difference between those with good social skills and those without.

Wordbuilding / Learning skills / Check! (page 83)

1

Possible answers:

A ram is a male sheep with rounded horns.
 To *ram* means to hit very hard, usually when moving fast.

2

- 1 duck 2 monkey 3 bug 4 wolf 5 hound 6 parrot

3

Possible answers:

- 1 Never mind. Thanks anyway.
 2 Chocolates? That's very kind of you, but you shouldn't have!
 3 Say "hello" from me. *or* Give them my best.
 4 I'm so sorry, I didn't realize.
 5 I'd love to, but I can't. *or* but I'm afraid I have too much work on.

4

Possible situations:

You've arrived late at a meeting or lecture; you've met someone and you can't remember their name; someone sneezes; someone's just had their hair cut; you need to interrupt someone who's working to ask them a question; someone tells you they can't join you for dinner; someone offers to help you with a heavy bag; someone asks if you mind if they smoke.

5

1 b and g 2 a and d 3 c and f 4 e and h

Unit 11

11a (pages 84 and 85)

1

1 shut away in their bedrooms at home
2 young males from middle-class families
3 a more insecure economy; misguided parents who overprotect them

2

1 b 2 a 3 b 4 a 5 a 6 c

3

1 pulled 2 locked 3 trod 4 inclined

4

1 c 2 d 3 b 4 a

5

1 b 3 c 4 d 5 a

6

1 were, would you do 2 had left, wouldn't have gotten
3 lived, would be (*or had lived, would have been*)
4 stopped, realized 5 would just talk

7

1 He wrote the letter without thinking about the consequences it might have.
2 I'm not against meeting them face to face, but skyping would be easier.
3 Before deciding, should we ask Naomi what she thinks about it?
4 I was able to log onto the computer by using your old password.

8

1 e 2 a 3 b 4 c 5 d

9

1 c 2 g 3 e 4 b 5 d 6 f 7 a

10

1 miserable *or* a little down *or* fed up *or* annoyed *or* angry
2 optimistic
3 taken aback
4 a little down
5 livid *or* annoyed *or* angry
6 content
7 nervous *or* scared *or* on edge *or* petrified
8 all over the place

11b (pages 86 and 87)

1

Students' own answers

2

1 PT 2 JT, CL 3 CL 4 JT 5 CL 6 AB

3

1 let the decision be taken out of my hands.
2 gut feeling
3 go around and around in circles
4 torturing yourself
5 forced
6 is kidding themselves

4

1 Were there still some left, I'd buy them.
2 Had I stayed where I was, I'd probably have been much happier.
3 Should you be thinking about whether to take a new job or not, then make a list of advantages and disadvantages.

5

1 take 2 hadn't left, would still be 3 would be, spent
4 doubt 5 didn't have (*or hadn't had*), would have moved
6 had known

6

1 Were I to take the job, it would probably lead to other opportunities.
2 Had I not left when I did, I think I would still be there now.
3 Life would be easier if people were to spend more time on simple decisions and less time on complicated ones.
4 Should you doubt what I say, read Jonah Lehrer's book, *How we decide*.
5 Were it not for (*or Had it not been for*) my husband's well-paid job in London, we would have moved to the countryside years ago.
6 Things would be very different had I known then what I know now.

7a

1 /ət/ 2 /eɪt/ 3 /ət/ 4 /eɪt/ 5 /eɪt/

7b

For the noun form, the stress falls on the first syllable.
For the verb form, it falls on the second syllable.

8

OK, so here's my dilemma. I've been offered a fantastic job in Australia, 10,000 kilometers away from where I live now. The problem is that my parents are in their eighties and I'm the only one in the family who still lives near them. If I took the job, I wouldn't be able to see them more than once or twice a year. Should anything happen to them while I was in Australia, I'd feel terrible. But at the same time, I don't know if I will ever get an opportunity like this again. Were I to tell them, they'd of course say that I must go, but it's not that simple.

11c (page 88)

1

- 1 to get it flying properly; powering the robot / using an appropriate fuel source that isn't too heavy
2 Examples given in the text: pollinating crops; search and rescue missions following natural disasters; traffic monitoring; weather mapping; evaluating or exploring areas that are dangerous for humans to enter; military surveillance

2

- 1 a TV program, *Silence of the Bees*, about the decline of the honey bee population
2 to pollinate crops where there is a shortage of honey bees
3 They would like to create colonies of RoboBees that will work cooperatively and collectively.
4 artificial sensors

3

- 1 nervous system
2 crashes frequently
3 refueling station
4 honey, pollinate crops
5 eyes and antennae

4

- 1 inspired 2 lobsters 3 nature 4 principles 5 Science
6 \$2 million

5

- 1 perform 2 adapt to 3 face 4 flap 5 determine 6 take

6

- 1 recognition 2 me 3 doubt 4 duty 5 means

11d (page 89)

1

Conversation 1: c Conversation 2: a Conversation 3: d

2

- 1 Because the first speaker hadn't been clear about their opinion before the second speaker proposed their ideas to everyone at the meeting.
2 That she is a whiner or someone who can't put up with a little routine paperwork.
3 No, because he's thick-skinned.

3

- 1 look, little, offend 2 came out 3 seem
4 say, upset 5 so funny 6 sounded

4a

- 1 /t/ 2 /d/ 3 /d/ 4 /d/ 5 /d/ 6 /ɪd/ 7 /d/
8 /t/ 9 /ɪd/ 10 /t/

4c

/aɪd/

5

Students' own answers

11e (page 90)

1

- 1 I'm joking, of course!
2 It's the photo of the main university entrance that I need, not the one of your vacation in Mexico!
3 Please don't take this the wrong way. We do really appreciate your offer.
4 Don't worry—I'm not offended in any way. It just took me slightly by surprise.

2

a 8 b 5 c 7 d 6

3

Example answers:

5

Thank you for your long and thoughtful answer. I do appreciate all your work on this. I will reply to you when I have time to read it properly.

6

Great to hear from you! Your spelling hasn't improved much since we were at school. I had to re-read your email three times before I could understand it. I'm joking, of course! Your idea of meeting up on December 8th sounds perfect. Let me know where.

7

I sent you a quotation as promised a week ago, but you have not replied. I don't want to pressure you, but are we to suppose that you are not interested?

8

I received your email saying that you don't want to take up my offer of advice about the design of your website. It took me rather by surprise, but I'm not offended in any way. I hope the person you have found to help you with this does a good job.

Wordbuilding / Learning skills / Check! (page 91)

1

1 f 2 b 3 g 4 d 5 e 6 a 7 c

2

- 1 wound (v) /waʊnd/ wrapped around
2 tear (v) /teə(r)/ rip or split
3 minute (adj) /maɪ'nju:t/ very small, tiny
4 alternate (adj) /ɔ:l'tɜ:nət/ one of every two
5 sewers (n pl) /'su:ə(r)z/ underground pipes which take away waste water
6 refuse (n) /'refju:s/ garbage or waste
7 delegate (v) /'deləgeɪt/ pass on or give responsibility to someone junior to you

5

Across: 1 emotional 5 look 6 low 8 irrational
Down: 2 micro 3 and 7 if only 4 Nobel 5 livid 9 A.I.

Unit 12

12a (pages 92 and 93)

1

North America: fields of grass; photo 3
South America: coastal desert, mountain, jungle, islands, and prairie; photos 1, 2, and 4

2

1 fields 2 snow-covered 3 lush, jungle 4 shanty

3

1 b 2 c 3 b 4 b 5 c 6 a

4

1 a 2 a 3 b 4 a 5 a 6 b

5

1 over fifteen 2 hundreds of miles 3 a kind of desert
4 close-ish 5 thirty years or so 6 around 1,500 meters

6

1 120-odd years 2 roughly 300 3 kind of small
4 in the next year or two 5 some ambition
6 dozens of ideas 7 help out with stuff

7

1 wooded 2 cloudless 3 rich 4 lush 5 dramatic
6 sparse 7 rugged 8 snow-capped

8

1 We've moved to a city in Jordan called Irbid, about 100 kilometers north of the capital.
2 It's close-ish. Getting to work at the university takes me thirty minutes or so.
3 It's farmland mostly, but not very rich. Some people would call it sparse, but I kind of like it.
4 The desert is to the east, some distance away, but we haven't visited it yet. I'd love to go some time, but there's so much other stuff to see that we haven't gotten around to it.

12b (pages 94 and 95)

1

Students' own answers

2

1 RT 2 AB 3 RT, IC
4 SS 5 AB, IC 6 AB, RT, IC

3

1 dew 2 the poles 3 toxic 4 scorched 5 spinning

4

a 4 b 5 c 2 d 7

5

1 Would you do 2 Would you take 3 would be really nice
4 the car wouldn't start 5 would go 6 would have gotten
7'd expect 8 we would stay

7

1 soaking 2 brand 3 fast 4 rock 5 pitch 5 freezing
7 lightning 8 sick 9 wide 10 stiff

8

a bored stiff b dirt cheap, bored stiff, filthy rich

12c (page 96)

1

By looking at how the societies who have traditionally coexisted with these animals have managed to do this.

2

1 b 2 c 3 a 4 b 5 a 6 b 7 b 8 a

3

1 Much 2 co-exist (or co-habit) 3 compete 4 healthy
5 growing 6 evicted 7 ironic(al) 8 survival

4

1 on 2 on 3 in 4 around 5 to 6 out

12d (page 97)

1a

2 just 3 finish 4 there 5 in 6 on 7 minute 8 make

1b

Interrupting: 1, 2, 4, 5, 6
Preventing interruptions: 3, 7, 8

2

a golf courses are attractive; they provide a facility to play sports in ; the land will be better looked after; they protect against other development
b golf courses are exclusive, they are not environmentally friendly

3

Phrases 2, 3, 4, 5, 6, and 8 are used.

4a

They are all said with a polite and firm intonation, except number 3.

5

Students' own answers

12e (page 98)

1

1 The (cheering) fact that wildlife is thriving in our cities.
2 The (worrying) fact that so many animals are killed on the roads.
3 Drivers should be more attentive to animals on the roads and also take action if they hit an animal.

2a

- 1 I am a vet
- 2 injury from road accidents is the most common reason animals are brought to our clinic
- 3 What I cannot accept
- 4 So, be animal aware.
- 5 We all know how upsetting it is to hit an animal in your car.
- 6 But taking steps to lessen any negative consequences will make you—and the animal—feel a whole lot better.

2b

- 1 a – It's a stronger claim, a more direct statement.
- 2 b – It gives a clear statistic.
- 3 a – "Careless attitude" is a more emotive expression.
- 4 a – "Inexcusable" is a stronger, more emotive word.

3

Students' own answers

Wordbuilding / Learning skills / Check! (page 99)

1

- 1 visually 2 socially 3 culturally 4 internationally
5 emotionally 6 environmentally 7 ethnically

4

- 1 worth spending 2 In the end 3 I have had
4 is made up of

5

- 1 rugged 2 air 3 Iceland 4 nomad
5 Basho 6 on 7 worried
A part of mother nature: RAINBOW