

## UNIT 1: SOCIAL RELATIONSHIPS

### THINK AND DISCUSS p. 1

Answers will vary.

### EXPLORE THE THEME pp. 2–3

1. monkeys and apes
2. Both humans and other primates communicate and use tools. Both also live in social groups where they care for one another and take care of their young.
3. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 4

1. suffering
2. complex
3. repeatedly
4. bond
5. behavior

#### B. BUILD VOCABULARY p. 4

1. b
2. b
3. a
4. b
5. a

#### C. USE VOCABULARY p. 4

Answers will vary.

#### D. JUSTIFY p. 4

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS p. 8

1. e
2. b
3. d
4. c
5. a

#### B. SUMMARIZE p. 8

1. elephants
2. controversial
3. rats
4. play
5. internal

#### C. IDENTIFY p. 8

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

#### D. IDENTIFY EVIDENCE p. 9

1. crows
2. octopuses
3. elephants
4. rats
5. dolphins

#### E. ANALYZE EVIDENCE p. 9

1. a, c
2. 3, 5, 4
3. c

#### F. EVALUATE EVIDENCE p. 9

Answers will vary.

#### G. INFER MEANING p. 9

1. mind
2. idea
3. incorrectly
4. take part in

#### H. PERSONALIZE p. 9

Answers will vary.

### DEVELOPING READING SKILLS

#### A. IDENTIFY MAIN AND SUPPORTING IDEAS p. 10

1. S
2. S
3. S
4. –
5. M

**LEVEL 3 Answer Key**

**B. IDENTIFY MAIN AND SUPPORTING IDEAS p. 10**

- a. 3
- b. 1
- c. 2
- d. (extra)

**C. APPLY p. 10**

Answers will vary. Possible answers: Main idea: A growing number of studies—combined with observations in the wild—reveal that many species have much more in common with humans than previously thought.

Supporting ideas: Elephants appear to be sad when another dies. Many primates, like chimps, form strong friendships.

**VIDEO: The Secret Lives of Orangutans**

**A. PREDICT p. 11**

Answers will vary.

**B. MAIN IDEAS p. 11**

- 1. F
- 2. T
- 3. T
- 4. T

**C. DETAILS p. 11**

- 1. unfamiliar
- 2. leaves
- 3. custom
- 4. branch
- 5. nest

**D. SYNTHESIZE p. 11**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 12**

- 1. generally
- 2. intense
- 3. extended family
- 4. social structure
- 5. gender
- 6. establish
- 7. discipline

- 8. observe
- 9. replace
- 10. previously

**B. USE VOCABULARY p. 12**

Answers will vary.

**C. PREDICT p. 12**

a

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS p. 16**

- 1. b
- 2. a
- 3. a

**B. IDENTIFY MAIN AND SUPPORTING IDEAS p. 16**

Paragraph D: (the real) power; day to day; mate / primary male / family male

Paragraph E: separate groups; family male; invite

Paragraph F: replaced; stay

**C. UNDERSTAND DETAILS p. 16**

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

**D. IDENTIFY EVIDENCE p. 17**

- 1. study
- 2. primatologist
- 3. caretaking
- 4. 14; a hundred/100

**E. EVALUATE EVIDENCE p. 17**

Answers will vary.

**F. INFER MEANING p. 17**

- 1. pecking order
- 2. mimicked
- 3. offspring
- 4. in captivity

## LEVEL 3 Answer Key

**G. RECALL p. 17**

Answers will vary. Possible answer: The readings both mention examples of play that these animals have been observed engaging in. Baboons tease other animals, chimpanzees play with sticks and engage in active play, dolphins play with bubble rings, and tadpoles ride air bubbles.

**VOCABULARY EXTENSION****A. p. 18**

1. immediate family
2. decision-makers
3. wildlife
4. eye contact
5. air bubbles

**B. p. 18**

- |             |            |
|-------------|------------|
| 1. prepare  | 4. prevent |
| 2. predict  | 5. preview |
| 3. previous |            |

**WRITING****EXPLORING WRITTEN ENGLISH****A. NOTICE p. 19**

- |      |      |
|------|------|
| 1. S | 4. S |
| 2. D | 5. D |
| 3. D |      |

**B. IDENTIFY p. 19**

1. Like
2. whereas
3. In contrast
4. Likewise
5. Unlike

**C. APPLY p. 20**

Answers will vary. Possible answers:

1. In contrast,
2. Likewise, / Similarly,
3. , while / , whereas
4. , on the other hand
5. Similarly, / Likewise,

**D. COMPARE p. 20**

Answers will vary.

**E. p. 21**

1. a difference
2. their relationship with humans
3. a—One way that dogs and wolves differ is in their relationships with humans.  
b—Dogs are generally friendly and helpful around humans.  
c—Wolves, on the other hand, are shy and fearful of humans.  
d—For example, dogs helped early humans hunt.  
e—One reason for this is that wolves are generally afraid of anything that is unfamiliar.

**WRITING TASK****A. BRAINSTORM p. 22**

Answers will vary.

**B. MAKE COMPARISONS p. 22**

Answers will vary.

**C. PLAN p. 22**

Answers will vary.

**D. FIRST DRAFT p. 23**

Answers will vary.

**E. REVISED DRAFT p. 23**

Answers will vary.

**F. FINAL DRAFT p. 23**

Answers will vary.

**REVIEW****A. VOCABULARY p. 24**

Answers will vary.

**B. VOCABULARY EXTENSION p. 24**

Answers will vary.

**C. READING SKILL p. 24**

2

**D. LANGUAGE FOR WRITING p. 24**

Answers will vary. Possible answers:

1. Like
2. while/whereas

## UNIT 2: SCIENCE AND INVESTIGATION

### THINK AND DISCUSS p. 25

Answers will vary.

### EXPLORE THE THEME pp. 26–27

1. can: eye color, natural hair color, shape of facial features, geographic ancestry; can't: age, weight, facial hair, dyed hair
2. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 28

1. mysteries
2. detectives
3. examine
4. analysis
5. prove
6. identity
7. presence
8. suspect
9. determine
10. committed

#### B. USE VOCABULARY p. 28

Answers will vary.

#### C. PREDICT p. 28

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS p. 32

1. e
2. a
3. d

#### B. UNDERSTAND DETAILS p. 32

1. T
2. NG
3. NG
4. F
5. T

#### C. CATEGORIZE p. 32

A Mysterious Hijacker: d, i, j

A Murder Case in Arizona: a, e, h, k, l

A Robbery in Australia: b, c, f, g

#### D. IDENTIFY p. 33

1. *knew*; C
2. *know*; C
3. *suggests*; L
4. *believe*; L
5. *Perhaps, may*; P

#### E. ANALYZE CERTAINTY p. 33

	<b>A Murder Case in Arizona</b>	<b>A Robbery in Australia</b>
<b>Certain or Less Certain</b>	<i>... a palo verde tree at the scene of the crime looked like a truck <u>might</u> have hit it. This <u>proved</u> that the truck had <u>definitely</u> been to the crime scene and had collided with one specific tree...</i>	<i>The detectives <u>thought</u> that the leech had been attached to one of the robbers.</i>
<b>Possible</b>	<i>... it was <u>possible</u> to convict the suspect of the crime. An investigator wondered if it was <u>possible</u> to link the exact tree... with the seed pods found on the truck.</i>	<i>It <u>might</u> have sucked the robber's blood while he was traveling through the woods...</i>

## LEVEL 3 Answer Key

### F. SPECULATE p. 33

Answers will vary. Possible answer: I think people are interested because the actual crime was like a scene from a movie, and he never got caught. I don't believe people will ever solve the case, because too much time has passed.

### DEVELOPING READING SKILLS

#### A. ANALYZE p. 34

Paragraph H: *in 2009; years ago; In 2001; soon after; while; then; during*

Paragraph I: *Eight years later; After; 2001*

#### B. IDENTIFY A SEQUENCE OF EVENTS p. 34

d, e, f, g, a, c, h, b

#### C. APPLY p. 34

Answers will vary.

### VIDEO: Secrets in the Ice

#### A. PREDICT p. 35

Easily visible: clothes, shoes, height, hair, tattoos

Using technology: age

#### B. MAIN IDEAS p. 35

2, 3, 4, 5

#### C. DETAILS p. 35

1. how old the body is
2. Italy
3. arrow
4. might be
5. heart disease

#### D. EVALUATE p. 35

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 36

1. placed
2. specializes

3. features
4. combination
5. medical
6. revealed
7. traces
8. consider
9. advances
10. delicate

#### B. USE VOCABULARY p. 36

Answers will vary.

#### C. PREDICT p. 36

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 40

b

#### B. UNDERSTAND DETAILS p. 40

1. A, M
2. M
3. J
4. J
5. A, M

#### C. SUMMARIZE p. 40

1. cave
2. skull
3. 11
4. disappeared
5. 1953
6. 9,500
7. paint
8. British
9. models/reconstructions

#### D. IDENTIFY A SEQUENCE OF EVENTS p. 40

1. b
2. b
3. a
4. b

## LEVEL 3 Answer Key

## E. IDENTIFY p. 41

Answers will vary. Possible answers:

	What is the information?	What word or phrase helps you determine the level of certainty?
<b>Certain</b>	when the man in Jericho was alive	<i>Other research teams have also reconstructed ancient faces, including one belonging to a man who we <u>know</u> lived 9,500 years ago near the city of Jericho.</i>
<b>Less Certain</b>	facial features smoothed out with time	<i>I <u>think</u> some facial features <u>seem</u> to have disappeared or 'smoothed out' with time.</i>
<b>Possible</b>	what Hinat looked like when facial features softened	<i>It also provides clues as to when these changes <u>possibly</u> occurred.</i>

## F. APPLY p. 41

Answers will vary. Possible answers:

1. Other research teams have also reconstructed ancient faces, including one belonging to a man who we believe lived 9,500 years ago near the city of Jericho. (less certain)
2. This means some facial features clearly "smoothed out" with time. (certain)
3. It also provides clues as to when these changes probably occurred. (less certain)

## G. REFLECT p. 41

Answers will vary.

## VOCABULARY EXTENSION

## A. p. 42

1. novelist
2. artist
3. economist
4. therapist
5. pianist

6. geneticist
7. scientist
8. pharmacist

## B. p. 42

1. emotional
2. facial
3. central
4. behavioral
5. medic
6. controversial
7. residents
8. political

## WRITING

## EXPLORING WRITTEN ENGLISH

## A. NOTICE p. 43

1. c
2. b
3. a

## B. UNDERSTAND SYNONYMS p. 44

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

## C. PARAPHRASE p. 44

Answers will vary. Possible answers:

1. preference; helpful
2. discovered; investigation
3. inferences; area
4. reconstructed; mix

## D. p. 45

Answers will vary. Possible answers:

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

## **WRITING TASK**

### **A. BRAINSTORM p. 46**

Answers will vary.

### **B. ORGANIZE p. 46**

Answers will vary.

### **C. PLAN pp. 46–47**

Answers will vary.

### **D. FIRST DRAFT p. 47**

Answers will vary.

### **E. REVISED DRAFT p. 47**

Answers will vary.

### **F. FINAL DRAFT p. 47**

Answers will vary.

## **REVIEW**

### **A. VOCABULARY p. 48**

Answers will vary.

### **B. VOCABULARY EXTENSION p. 48**

1. artist
2. novelist
3. emotional
4. scientist

### **C. READING SKILL p. 48**

1. *in 1953; Several years later*
2. *A long time ago; Nine thousand years later*

### **D. LANGUAGE FOR WRITING p. 48**

Answers will vary. Possible answers: combining ideas, using synonyms, using different parts of speech

**UNIT 3: CITY SOLUTIONS****THINK AND DISCUSS p. 49**

Answers will vary.

**EXPLORE THE THEME pp. 50–51**

1. Oceania
2. Asia and Africa
3. Answers will vary.

**READING 1****PREPARING TO READ****A. BUILD VOCABULARY p. 52**

1. aspect
2. spread out
3. income
4. productive
5. tend to
6. concentration
7. suburbs
8. dense
9. urban
10. growth

**B. USE VOCABULARY p. 52**

Answers will vary.

**C. PREDICT p. 52**

Answers will vary. Correct answer: c

**UNDERSTANDING THE READING****A. SUMMARIZE p. 56**

1, 3, 4, 6

**B. UNDERSTAND MAIN IDEAS p. 56**

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

**C. IDENTIFY PROS AND CONS p. 56**

Answers will vary. Possible answers:

1. reduced cost of transporting goods, people, and ideas; easier to share information and learn from one another
2. less impact on the environment; examples include requiring less resources to build and operate infrastructure and driving less
3. managing urban growth
4. Urban sprawl—*city density* refers to many people in a small area, while *urban sprawl* refers to them spreading out over a larger area.

**D. ANALYZE QUOTES p. 57**

Answers will vary. Possible answers:

1. Information can be shared easily in cities, allowing people to learn from one another.
2. A city's urban growth must be supported by economic development.
3. the issue of urban sprawl
4. Expanding suburban areas have led to increased energy use, air pollution, and greenhouse gas emissions.

**E. JUSTIFY YOUR OPINION p. 57**

Answers will vary.

**DEVELOPING READING SKILLS****A. ANALYZE VISUAL INFORMATION p. 58**

Answers will vary. Possible answers:

1. The graph shows South Korea's economic growth from 1985 to 2021 in comparison to major European countries.
2. Paragraph F: *In the same period, South Korea has also gone from being one of the world's poorest countries to being richer than many countries in Europe.*
3. The graph provides more details about South Korea's rapid growth compared to some European countries.

**B. ANALYZE VISUAL INFORMATION p. 58**

1. Dots are megacities, and squares are smaller cities.
2. c
3. D and I



**VIDEO: Farming Underground**

**A. PREVIEW p. 59**

Answers will vary.

**B. MAIN IDEAS p. 59**

2, 3, 4, 5

**C. DETAILS p. 59**

1. T
2. T
3. F
4. F

**D. REACT TO THE VIDEO p. 59**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 60**

1. resident
2. barrier
3. separate
4. fierce
5. construction
6. lowers
7. partially
8. temporarily
9. canals
10. occasional

**B. USE VOCABULARY p. 60**

Answers will vary.

**C. PREDICT p. 60**

Answers will vary.

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS p. 64**

1. c
2. e
3. d
4. a
5. b

**B. SCAN FOR DETAILS p. 64**

1. gentle flow
2. 25
3. the century
4. (hollow) barriers
5. independently
6. 8 billion

**C. INFER MEANING p. 64**

1. bad
2. large
3. empty
4. watch

**D. ANALYZE LEVELS OF CERTAINTY p. 64**

1. L
2. P
3. C
4. P

**E. ANALYZE VISUAL INFORMATION p. 65**

2. b
3. c
4. e
5. a

**F. UNDERSTAND QUOTES p. 65**

c

**G. REFLECT p. 65**

Answers will vary.

**VOCABULARY EXTENSION**

**A. p. 66**

1. source of income
2. income inequality
3. annual income; income tax; disposable income

**B. p. 66**

1. heavily visited
2. hard-earned
3. three-meter
4. fast-moving

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 67

1. c
2. b
3. a

#### B. IDENTIFY p. 67

1. moved
2. invested
3. was
4. has improved
5. has increased
6. started
7. have used
8. rose

#### C. p. 68

1. b—main points to be discussed are clear
2. a—main points to be discussed are clear

#### D. p. 68

1. b
2. a
3. b

#### E. p. 69

- a. 3
- b. -
- c. 2
- d. 1

#### F. p. 69

Answers will vary. Possible answers:

1. The increased number of parking lots in the downtown area has made it more convenient for drivers to find a place to park their car.
2. As a result of an increased number of pedestrian-only areas and stoplights, the number of pedestrian-related accidents have fallen.
3. Thanks to a new metro and more new homes in the city center, the traffic issue has improved.

#### G. p. 69

Answers will vary.

## WRITING TASK

#### A. BRAINSTORM p. 70

Answers will vary.

#### B. WRITE A HOOK p. 70

Answers will vary.

#### C. IDENTIFY SUPPORTING IDEAS AND DETAILS p. 70

Answers will vary.

#### D. WRITE A FINAL THOUGHT p. 70

Answers will vary.

#### E. PLAN p. 70

Answers will vary.

#### F. FIRST DRAFT p. 71

Answers will vary.

#### G. REVISED DRAFT p. 71

Answers will vary.

#### H. FINAL DRAFT p. 71

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 72

Answers will vary.

#### B. VOCABULARY EXTENSION p. 72

Answers will vary.

#### C. READING SKILL p. 72

1. growth in GDP of different countries
2. Blue is the growth in Korea; yellow is the growth in Spain.

#### D. LANGUAGE FOR WRITING p. 72

1. flooded
2. has helped

## LEVEL 3 Answer Key

### UNIT 4: DANGER ZONES

#### THINK AND DISCUSS p. 73

Answers will vary.

#### EXPLORE THE THEME pp. 74–75

Answers will vary. Possible answers:

1. heavy rains, dam failure, rapidly melting snow
2. They damage infrastructure, homes, and crops.  
They cost taxpayers money and increase the risk of diseases.

#### READING 1

##### PREPARING TO READ

##### A. BUILD VOCABULARY p. 76

1. alert
2. forecast
3. destruction
4. strike
5. affordable
6. effectively
7. deadly
8. consequence
9. throughout
10. hazard

##### B. USE VOCABULARY p. 76

Answers will vary.

##### C. BRAINSTORM p. 76

Answers will vary.

##### D. PREDICT p. 76

Answers will vary.

#### UNDERSTANDING THE READING

##### A. SUMMARIZE p. 80

1. sense/forecast
2. movements
3. changes
4. earthquake/quake
5. storms/tornadoes

##### B. UNDERSTAND A SEQUENCE p. 80

c, e, b, d, a

##### C. UNDERSTAND MAIN IDEAS p. 80

Answers will vary. Suggested answers:

1. Scientists used geolocators to track the location of the warblers.
2. They were supposed to be in Tennessee.
3. They heard the infrasound from an approaching storm.
4. He means that birds know more than we think they do.

##### D. UNDERSTAND DETAILS pp. 80–81

1. F
2. T
3. T
4. F
5. NG

##### E. INFER MEANING p. 81

1. d
2. e
3. c
4. a
5. b

##### F. INFER MEANING p. 81

2, 4

#### DEVELOPING READING SKILLS

##### A. IDENTIFY p. 82

1. no animal sightings
2. Dr. Rachel Grant
3. a significant atmospheric change
4. the warblers

##### B. APPLY p. 82

they = rodents

this = That they should completely disappear

these = research

These = rats' sleeping and waking patterns

them = rats

## LEVEL 3 Answer Key

### VIDEO: Hurricanes 101

#### A. PREVIEW p. 83

Answers will vary.

#### B. MAIN IDEAS p. 83

1, 3

#### C. DETAILS p. 83

1. the same
2. summer
3. in a circle
4. eyewall
5. five
6. winds push water onto land
7. storm surge

#### D. REACT TO THE VIDEO p. 83

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 84

1. entire
2. eruption; vast
3. continuous
4. threaten
5. pressure; accumulates; cracks; collapse
6. explode

#### B. USE VOCABULARY p. 84

Answers will vary.

#### C. BRAINSTORM p. 84

Answers will vary. Correct answer: A supervolcano is bigger and more powerful than a regular volcano.

#### D. PREDICT p. 84

Answers will vary. Correct answers: 1, 2, 4

### UNDERSTANDING THE READING

#### A. SUMMARIZE p. 90

1. bigger
2. powerful
3. Yellowstone National Park

4. 2.1 million
5. super-eruptions
6. sunlight
7. cooling
8. 15,000

#### B. ANALYZE VISUAL INFORMATION p. 90

1. c
2. 1,000 cubic kilometers of debris
3. the third eruption
4. paragraphs C and D

#### C. INFER p. 90

2, 3

#### D. UNDERSTAND A PROCESS p. 91

Left to right: b, f, e, d, c, a

#### E. INFER MEANING p. 91

1. large
2. understand
3. section
4. several times

#### F. ANALYZE EVIDENCE p. 91

Answers will vary. Possible answers:

1. a crater surrounded by mountains; a thick layer of heated, compacted ash; the land near the caldera is actively rising and falling
2. Scientists are not certain what is happening under the caldera's surface. / Scientists have only been keeping records since the 1970s, so it's hard to draw conclusions. / The caldera is going through a rise-and-fall cycle, but scientists don't know when the cycles will cause a super-eruption.

### VOCABULARY EXTENSION

#### A. p. 92

1. threaten
2. strength
3. weaken
4. height
5. lightens
6. dark
7. flatten

## LEVEL 3 Answer Key

### B. p. 92

1. theorize
2. pressure
3. specialize
4. memorize
5. social
6. stabilize
7. criticizing

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 93

1. Both are present continuous verbs.
2. Both are simple present verbs.
3. Both are superlative adjectives.
4. Both are comparative adjectives.
5. All are nouns.
6. Both are nouns.

#### B. APPLY p. 94

1. slippery; dangerous
2. food; water
3. cautious; aware
4. frighten; damage / cause damage to
5. crushed houses; carried cars away

#### C. p. 95

Answers will vary. Possible answers:

6, 5, 2, 3, 1, 4

... choose a place to go. Second, I have to search for flights and hotels. Then, I need to reserve a flight and hotel room. Before packing my bags, I have to check what the weather is like at my destination. The last step is to download movies or shows to watch on the flight.

#### D. p. 95

Answers will vary. Possible answers:

Step: Pack my bags.

Details: find suitcase, gather clothes, pack toiletries, decide what will go in check-in luggage vs. carry-on bags, weigh luggage

#### E. p. 95

Answers will vary. Possible answer: To pack my bags, I need to first find my suitcase. Next, I need to gather

the clothes that I'll bring. After that, I need to pack my toiletries, like shampoo and toothpaste. Another important thing is to decide what will go in my check-in luggage and what will go in my carry-on bags. Finally, I need to weigh everything. I don't want to pay extra fees if my luggage is too heavy.

## WRITING TASK

#### A. BRAINSTORM p. 96

Answers will vary.

#### B. ORGANIZE IDEAS p. 96

Answers will vary.

#### C. PLAN p. 96

Answers will vary.

#### D. FIRST DRAFT p. 97

Answers will vary.

#### E. REVISED DRAFT p. 97

Answers will vary.

#### F. FINAL DRAFT p. 97

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 98

Answers will vary.

#### B. VOCABULARY EXTENSION p. 98

1. lighten
2. theorize
3. socialize
4. weaken
5. strengthen
6. criticize

#### C. READING SKILL p. 98

1. Yellowstone's volcano
2. volcanoes
3. magma

#### D. LANGUAGE FOR WRITING p. 98

1. dangerously → dangerous
2. windy → wind
3. preparation → prepare

## UNIT 5: THE TRAVEL BUSINESS

### THINK AND DISCUSS p. 99

Answers will vary.

### EXPLORE THE THEME pp. 100–101

Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 102

1. earn a living
2. maintain
3. economy
4. partnership
5. alternative

#### B. BUILD VOCABULARY p. 102

1. b
2. a
3. a
4. b
5. a

#### C. USE VOCABULARY p. 102

Answers will vary.

#### D. PREDICT p. 102

Answers will vary. Correct answer: Geotourism aims to preserve the geographic character of a place.

## UNDERSTANDING THE READING

#### A. UNDERSTAND KEY TERMS p. 106

2, 3, 5

#### B. UNDERSTAND DETAILS p. 106

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

#### C. UNDERSTAND PURPOSE p. 106

1. d
2. b
3. a
4. c

#### D. IDENTIFY ARGUMENTS p. 107

1. local community/economy
2. history and culture
3. historic
4. local community/economy
5. understanding
6. special/distinctive

#### E. EVALUATE ARGUMENTS p. 107

Answers will vary.

## DEVELOPING READING SKILLS

#### A. IDENTIFY CAUSES AND EFFECTS p. 108

1. *as* (cause)
2. *led to* (effect)
3. *Consequently* (effect)
4. *As a result* (effect)

#### B. CATEGORIZE p. 108

Cause

1. Many of the systems that support mass tourism are often owned and run by companies based outside the tourist areas.
2. Tourists have little or no contact with local people.

Effect

3. Travelers have a broader understanding of the area's history and culture.
4. Local people can earn a living and the local area is protected for future travelers.

#### C. ANALYZE CAUSES AND EFFECTS p. 108

1. *Much of the money made from this type of tourism does not, therefore, benefit the local economy.*
2. inferred from context
3. *As a result, these travelers gain a broader ...*
4. inferred from context

## VIDEO: A Pledge to Palau

#### A. PREVIEW p. 109

Answers will vary.

**B. MAIN IDEAS p. 109**

2, 5

**C. DETAILS p. 109**

1. guest
2. unique
3. explore
4. not given
5. footprints
6. wash away

**D. SYNTHESIZE p. 109**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 110**

1. objective
2. comfort
3. awareness
4. renewable
5. vital
6. enrich
7. official
8. landmark
9. spiritual
10. ecological

**B. USE VOCABULARY p. 110**

Answers will vary.

**C. SKIM p. 110**

1. natural locations in Ecuador, Nepal, and Australia
2. Each place has developed successful ecotourism options that are alternatives to mass tourism.

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS p. 114**

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

**B. UNDERSTAND DETAILS p. 114**

1. (tropical) birds
2. (local) families
3. three sisters
4. comfort and security
5. dangerous
6. (traditional) stories

**C. INFER MEANING p. 115**

1. noun; a way of making money to support oneself or one's family
2. noun; a representative
3. noun; a popular location
4. adjective; local, native

**D. ANALYZE CAUSES AND EFFECTS p. 115**

Words that signal a cause-effect relationship: lead to

Answers will vary. Possible answer: Ecotourism allows visitors to fully experience a place and provides locals with job opportunities at the same time.

**E. SYNTHESIZE p. 115**

Answers will vary.

**F. EVALUATE p. 115**

Answers will vary. Possible answer:

**VOCABULARY EXTENSION**

**A. p. 116**

1. A
2. N
3. A
4. N
5. A

**B. p. 116**

1. a
2. b
3. a
4. a
5. b

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. ANALYZE p. 117

Answers will vary. Possible answers:

1. You buy locally made products. / If you buy locally made products, you can support the local economy.
2. Too many people visit them. / If too many people visit forests and beaches, they might get ruined.
3. The porters are female. / If the porters are female, female trekkers might feel more comfortable and safe.
4. They stay at an ecolodge. / If tourists stay at an ecolodge, they can learn about local customs.

#### B. APPLY p. 117

Answers will vary. Possible answers:

1. you litter
2. they create employment opportunities for local communities
3. they spend time in local communities
4. You learn more about a culture

#### C. p. 118

3, 4, 1, 2

#### D. p. 118

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

## WRITING TASK

#### A. BRAINSTORM p. 119

Answers will vary.

#### B. ORGANIZE IDEAS p. 119

Answers will vary.

#### C. ANALYZE A THESIS STATEMENT p. 119

1—The writer takes a position.

#### D. PLAN p. 120

Answers will vary.

#### E. CONCLUDING PARAGRAPH p. 120

Answers will vary.

#### F. FIRST DRAFT p. 120

Answers will vary.

#### G. REVISED DRAFT p. 121

Answers will vary.

#### H. FINAL DRAFT p. 121

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 122

Answers will vary.

#### B. VOCABULARY EXTENSION p. 122

1. N
2. N
3. A

#### C. READING SKILL p. 122

1. C
2. E

#### D. LANGUAGE FOR WRITING p. 122

Answers will vary. Possible answers:

1. the ecosystem can get damaged
2. we use locals as tour guides and support local businesses



## UNIT 6: PRODUCT DESIGN

### THINK AND DISCUSS p. 123

Answers will vary.

### EXPLORE THE THEME pp. 124–125

Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 126

1. flexible
2. availability
3. function
4. conduct
5. postpone
6. automatic
7. contribute to
8. logical
9. initially
10. multiple

#### B. USE VOCABULARY p. 126

Answers will vary.

#### C. PREDICT p. 126

Answers will vary. Correct answer: spacesuits fitting both men and women

### UNDERSTANDING THE READING

#### A. SUMMARIZE p. 130

1, 3, 5

#### B. UNDERSTAND DETAILS p. 130

1. T
2. F
3. T
4. NG
5. T

#### C. ANALYZE QUOTES p. 130

1. 1
2. 5

#### D. INFER MEANING p. 130

1. c
2. b
3. d
4. a

#### E. IDENTIFY SPECULATION p. 131

c

#### F. ANALYZE p. 131

Answers will vary. Possible answer: It hasn't happened yet. They don't know for sure what will happen.

#### G. APPLY p. 131

1. might be
2. may
3. could
4. may
5. might feel

#### H. SPECULATE p. 131

Answers will vary.

### DEVELOPING READING SKILLS

#### A. IDENTIFY PROBLEMS AND SOLUTIONS p. 132

1. P
2. P
3. P
4. S
5. S
6. P

#### B. APPLY p. 132

Answers will vary. Possible answers:

1. problematic; solves
2. problem; solution
3. difficult; address
4. challenging; answer

### VIDEO: A Helping Hand

#### A. PREDICT p. 133

Answers will vary.

#### B. MAIN IDEAS p. 133

1. T
2. T

## LEVEL 3 Answer Key

3. T
4. F
5. F

### C. DETAILS p. 133

1, 3, 4, 6

### D. REACT TO THE VIDEO p. 133

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 134

1. reality
2. commands
3. signals
4. circumstances
5. effective
6. approval
7. praised
8. mechanical
9. motors
10. distinguish

#### B. USE VOCABULARY p. 134

Answers will vary.

#### C. PREDICT p. 134

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND MAIN IDEAS p. 138

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

#### B. IDENTIFY EXAMPLES p. 138

Possible answers:

1. collapsed buildings
2. military operations

3. noisy aircraft
4. runs off

#### C. IDENTIFY PROBLEMS p. 138

Answers will vary. Possible answers:

1, 2, 4, 5

#### D. INFER MEANING p. 139

1. c
2. a
3. b
4. e
5. d

#### E. INFER PURPOSE p. 139

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

#### F. DISCOVER p. 139

Answers will vary. Possible answers:

virtual reality and video games: allows users to “feel” the experience

movie theaters: the seats move and rumble

automobiles: the touchscreens “click,” and the seats vibrate to warn of potential danger

### VOCABULARY EXTENSION

#### A. p. 140

1. autopilot
2. automated
3. autobiography
4. automobile
5. autograph

#### B. p. 140

1. 1
2. 2
3. 2
4. 3
5. 3
6. 1

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 141

- 3
- 3
- 1
- 2
- 3

#### B. APPLY p. 142

Answers will vary. Suggested answers:

- will
- should
- could/might/may
- way/chance
- chances
- way/chance
- probability/likelihood

#### C. p. 142

2, 3

#### D. p. 142

- reduce
- prevents
- solution
- reduce

### WRITING TASK

#### A. BRAINSTORM p. 143

Answers will vary.

#### B. EVALUATE p. 143

Answers will vary.

#### C. IDENTIFY SUPPORTING DETAILS p. 143

Answers will vary.

#### D. IDENTIFY SUPPORTING DETAILS p. 143

Answers will vary.

#### E. WRITE A THESIS STATEMENT p. 143

Answers will vary.

#### F. PLAN p. 144

Answers will vary.

#### G. FIRST DRAFT p. 144

Answers will vary.

#### H. REVISED DRAFT p. 145

Answers will vary.

#### I. FINAL DRAFT p. 145

Answers will vary.

## REVIEW

#### A. VOCABULARY p. 146

Answers will vary.

#### B. VOCABULARY EXTENSION p. 146

Answers will vary.

#### C. READING SKILL p. 146

- S
- P

#### D. LANGUAGE FOR WRITING p. 146

Answers will vary. Possible answers:

- likely/probably
- chance/way/doubt

**UNIT 7: PRODUCT DESIGN****THINK AND DISCUSS p. 147**

Answers will vary.

**EXPLORE THE THEME pp. 148–149**

Answers will vary.

**READING 1****PREPARING TO READ****A. BUILD VOCABULARY p. 150**

1. vanish
2. crucial
3. practical
4. generate
5. exceptional
6. focus on
7. shrink
8. currently
9. related to
10. worldwide

**B. USE VOCABULARY p. 150**

Answers will vary.

**C. PREDICT p. 150**

Answers will vary. Correct answer: DiCaprio talks about his documentary, what people and governments can do to stop climate change, what problems will climate change cause, and why it is important to act now.

**UNDERSTANDING THE READING****A. UNDERSTAND MAIN IDEAS p. 154**

1. b
2. a
3. c

**B. UNDERSTAND MAIN IDEAS p. 154**

1. half-century
2. (climate) scientists; carbon emissions
3. speeds up
4. tripled; disasters
5. vanishing
6. cheaper

**C. UNDERSTAND DETAILS p. 154**

1. T
2. F
3. NG
4. T
5. NG
6. T
7. F

**D. ANALYZE VISUAL INFORMATION p. 155**

- a. 3
- b. 5
- c. (extra)
- d. 2
- e. 4
- f. (extra)
- g. 1

**E. INFER ATTITUDE p. 155**

b—Paragraph E: *There is no issue this important—because the future of the planet is at stake.*

Paragraph F: *We can still prevent these crises from becoming a widespread challenge in the future of our country.*

**F. EVALUATE p. 155**

Answers will vary.

**DEVELOPING READING SKILLS****A. UNDERSTAND APPOSITIVES p. 156**

1. Oscar-winning actor Leonardo DiCaprio says that he makes his living in made-up worlds.
2. DiCaprio became a climate activist after a 1998 meeting with former U.S. Vice President (Al Gore) ...
3. For the film, we interviewed inspiring figures ... like Sunita Narain, a tremendous voice in India who's calling for her country to be part of a global solution.
4. Events such as (El Niño)—a climate cycle in the Pacific Ocean—also affect global temperatures.

**B. UNDERSTAND APPOSITIVES p. 156**

1. b
2. a
3. d
4. c

**C. IDENTIFY p. 156**

1. Increasing acid levels in the oceans affect the health and taste of crustaceans—a group of animals that includes shellfish.
2. Italy, a major producer of the world's olives, saw its production halved in 2019 ...
3. Everything about the world's favorite foods and drinks—from how they're grown to when we eat and drink them—could change in a warmer world.

**VIDEO: The Snow Guardian**

**A. PREVIEW p. 157**

Answers will vary. Correct answer: billy observes snowfall and noticed that there has been less and less of it every year.

**B. MAIN IDEAS p. 157**

1. a
2. c

**C. DETAILS p. 157**

1. researchers
2. twice / two times
3. 4–5; 36
4. dust

**D. PERSONALIZE p. 157**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 158**

1. use less of it
2. releases
3. an important
4. control
5. not a lot
6. use it up completely
7. use it
8. change
9. a decrease
10. put money into

**B. USE VOCABULARY p. 158**

Answers will vary.

**C. PREDICT p. 158**

Answers will vary.

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS p. 162**

1. c
2. d
3. e
4. a
5. b

**B. UNDERSTAND DETAILS p. 162**

1. solar ovens
2. waste
3. wind
4. 25
5. habitats
6. Denmark
7. Brazil

**C. IDENTIFY PROBLEMS AND SOLUTIONS p. 162**

Problems: 2, 5

Solutions: 1, 3, 4, 6, 7

**D. UNDERSTAND DETAILS p. 162**

1. impact
2. animals
3. energy sources
4. companies
5. lightbulbs
6. forests
7. renewables
8. carbon

**E. ANALYZE VISUAL INFORMATION p. 163**

1. b
2. 3
3. hydropower
4. geothermal
5. China
6. China

## LEVEL 3 Answer Key

### F. INFER MEANING p. 163

Answers will vary. Possible answers:

1. something the government does to reduce the amount of taxes people or businesses need to pay
2. using/gathering/collecting
3. the percentage of sales that a business or product has out of the total sales of a product
4. together / in collaboration with

### G. IDENTIFY APPOSITIVES p. 163

Paragraph F: photovoltaic cells (PVs), cells that convert solar energy to electricity.

Paragraph I: Logging—the cutting down of trees.

### H. EVALUATE p. 163

Answers will vary.

## VOCABULARY EXTENSION

### A. p. 164

1. back
2. losses
3. across
4. teeth
5. through

### B. p. 164

1. irreplaceable
2. impossible
3. unexceptional
4. inexpensive
5. irresponsible

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 165

2

#### B. USE RELATIVE CLAUSES p. 166

1. Farms that are close to city centers can increase the risk of dangerous diseases spreading.
2. The Thai government placed a high tax on poultry farms that were within 100 kilometers of Bangkok.
3. Sun and wind power are two energy sources that are renewable.

#### C. USE RELATIVE CLAUSES p. 166

1. Beef production, which requires a lot of water, contributes to climate change.
2. The city of Curitiba, which has an efficient bus system, has very little traffic congestion.
3. Former U.S. Vice President Al Gore, who was an early advocate for climate change, was featured in the documentary *An Inconvenient Truth*.

#### D. p. 167

Suggested answers:

1. reducing the problem of climate change
2. The writer says that vegetarianism protects resources and slows climate change.
3. Vegetarianism saves water and cuts down on carbon emissions.
4. First reason: statistics about meat production versus plant production  
Second reason: an explanation of how meat production leads to a lot more greenhouse gas emissions

## WRITING TASK

#### A. BRAINSTORM p. 168

Answers will vary.

#### B. ORGANIZE IDEAS p. 168

Answers will vary.

#### C. WRITE A THESIS STATEMENT p. 168

Answers will vary.

#### D. WRITE TOPIC SENTENCES p. 168

Answers will vary. Possible answer: Synonyms are used.

#### E. PLAN p. 168

Answers will vary.

#### F. FIRST DRAFT p. 169

Answers will vary.

#### G. REVISED DRAFT p. 169

Answers will vary.

#### H. FINAL DRAFT p. 169

Answers will vary.

## REVIEW

### A. VOCABULARY p. 170

Answers will vary.

### B. VOCABULARY EXTENSION p. 170

Answers will vary.

### C. READING SKILL p. 170

1. The key is sustainability—finding new and efficient ways of conserving resources so that we do not use them all up.
2. Canada has the largest areas of certified forests (about 405 million acres).

### D. LANGUAGE FOR WRITING p. 170

1. Leonardo DiCaprio, who is a famous actor, started making films about climate change.
2. Some countries that have created certified forests are helping the environment.

## UNIT 8: MEDICAL INNOVATIONS

### THINK AND DISCUSS p. 171

Answers will vary.

### EXPLORE THE THEME pp. 172–173

Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 174

1. discomfort
2. distraction
3. researcher
4. surgery
5. affect

#### B. BUILD VOCABULARY p. 174

1. b
2. a
3. a
4. b
5. b

#### C. USE VOCABULARY p. 174

Answers will vary.

#### D. PREDICT p. 174

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 178

a

#### B. UNDERSTAND MAIN IDEAS p. 178

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

#### C. UNDERSTAND DETAILS p. 178

1. distraction
2. wasn't playing
3. relax
4. damaged
5. pain signals
6. smell

#### D. INFER pp. 178–179

1. a
2. b
3. b
4. a

#### E. APPLY p. 179

Answers will vary.

#### F. INFER MEANING p. 179

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

### DEVELOPING READING SKILLS

#### A. IDENTIFY PASSIVE SENTENCES p. 180

1. A
2. P
3. P
4. A
5. P

#### B. UNDERSTAND PASSIVE SENTENCES p. 180

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

### VIDEO: Nanotechnology

#### A. PREDICT p. 181

Answers will vary.



## LEVEL 3 Answer Key

### B. MAIN IDEAS p. 181

1. small
2. bodies
3. microscopes
4. diseases
5. differently

### C. DETAILS p. 181

1. moving
2. chemicals
3. many different colors
4. generates
5. laser
6. doesn't exist yet

### D. PERSONALIZE p. 181

Answers will vary.

## READING 2

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 182

1. constant
2. at risk
3. combine
4. measure
5. specific

#### B. BUILD VOCABULARY p. 182

1. devices
2. indicates
3. diagnose
4. injuries
5. impressive

#### C. USE VOCABULARY p. 182

Answers will vary.

#### D. PREDICT p. 182

Answers will vary.

### UNDERSTANDING THE READING

#### A. UNDERSTAND THE MAIN IDEA p. 186

c

### B. UNDERSTAND DETAILS p. 186

1. surgery
2. swallowed
3. (button) batteries
4. accurate
5. predict
6. video
7. vital signs
8. chatbot

### C. UNDERSTAND DETAILS p. 186

1. c, d
2. b
3. a
4. e

### D. UNDERSTAND REFERENCING p. 187

1. technologies
2. button batteries
3. robot
4. technologies
5. Doctors
6. Patients

### E. IDENTIFY p. 187

1. is swallowed
2. can be trained
3. was trained
4. will probably be delivered; will be combined

### F. REFLECT p. 187

Answers will vary.

### VOCABULARY EXTENSION

#### A. p. 188

1. e
2. d
3. a
4. b
5. c

**B. p. 188**

AI: artificial intelligence  
ASAP: as soon as possible  
ATM: automated teller machine  
ER: emergency room  
ETA: estimated time of arrival  
FOMO: fear of missing out  
PIN: personal identification number  
POTUS: president of the United States

1. ER
2. FOMO
3. AI
4. POTUS
5. ATM; PIN
6. ASAP
7. ETA

**WRITING**

**EXPLORING WRITTEN ENGLISH**

**A. EVALUATE p. 189**

Answers will vary.

**B. SYNTHESIZE p. 189**

Answers will vary. Possible answers: forums and message boards, social media platforms, streaming videos, link aggregators, comment sections

**C. p. 191**

1. a
2. b
3. a

**D. p. 191**

1. "You can't understand urbanization in isolation from economic development."
2. "People flock to cities because of the possibilities for doing things that interest them."
3. "What was interesting was that the rodents were the first to disappear."

**E. p. 191**

1. As Lampl (n.d.) explains ...
2. According to *The Future of Diagnosis* (2016) ...
3. ... about their condition" (Maple, 2018, para. 10).

**WRITING TASK**

**A. BRAINSTORM p. 192**

Answers will vary.

**B. EVALUATE p. 192**

Answers will vary.

**C. EVALUATE p. 193**

Answers will vary.

**D. ORGANIZE IDEAS p. 193**

Answers will vary.

**E. PLAN p. 193**

Answers will vary.

**F. FIRST DRAFT p. 194**

Answers will vary.

**G. REVISED DRAFT p. 195**

Answers will vary.

**H. FINAL DRAFT p. 195**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 196**

Answers will vary.

**B. VOCABULARY EXTENSION p. 196**

1. indicate; constant; affect
2. artificial intelligence; emergency room; virtual reality

**C. READING SKILL p. 196**

1. have been developed
2. were created

**D. LANGUAGE FOR WRITING p. 196**

Answers will vary.

## LEVEL 3 Answer Key

### UNIT 9: LANGUAGES AND CULTURE

#### THINK AND DISCUSS p. 197

Answers will vary.

#### EXPLORE THE THEME pp. 198–199

Answers will vary. Possible answers:

1. Indo-European; this family includes languages in Germany, Spanish-speaking countries, English-speaking countries, and many European countries.
2. less than 3,500
3. Answers will vary.

### READING 1

#### PREPARING TO READ

##### A. BUILD VOCABULARY p. 200

1. lead to
2. acquire
3. furthermore
4. competence
5. expand
6. anticipate
7. multilingual
8. linguistic
9. considerably
10. dynamic

##### B. USE VOCABULARY p. 200

Answers will vary.

##### C. BRAINSTORM p. 200

Answers will vary.

##### D. PREDICT p. 200

a

#### UNDERSTANDING THE READING

##### A. UNDERSTAND MAIN IDEAS p. 204

1. G
2. E
3. F
4. A
5. C
6. D
7. B

##### B. UNDERSTAND DETAILS p. 204

1. in the second half of the 20th century
2. Bengali, Tamil, Malay
3. It makes international collaboration and research easier, and publications can reach more people.
4. Mandarin Chinese is becoming a global business language because China's growing economy means that more businesses will need to have Chinese speakers.
5. Arabic, Mandarin Chinese, English, French, Russian, and Spanish. These languages are the first or second language of around half of the world's population.

##### C. UNDERSTAND DETAILS p. 204

1. F
2. NG
3. T
4. F
5. T

##### D. INFER MEANING p. 205

1. a
2. b
3. b
4. b

##### E. ANALYZE VISUAL INFORMATION p. 205

1. Mandarin Chinese (most), Spanish (second most)
2. English
3. Hindi; India

##### F. INFER PURPOSE p. 205

1. b
2. a
3. b

#### DEVELOPING READING SKILLS

##### A. IDENTIFY PREDICTIONS p. 206

1. expects
2. may (not)

##### B. ANALYZE PREDICTIONS p. 206

1. a. *However, according to Graddol, it is unlikely that one language will dominate in the near future.* (Paragraph C)

**LEVEL 3 Answer Key**

- b. *As a result of these trends, Graddol says, "the status of English as a global language may peak soon."* (Paragraph C)
- c. *Employees who speak only one language will find themselves at a disadvantage.* (Paragraph F)
- d. *As a result, people who speak only one language may have a difficult time in a multilingual society.* (Paragraph G)

- 2. a. 2
- b. 1
- c. 3
- d. 1
- 3. Answers will vary.

**VIDEO: The Power of Language**

**A. BRAINSTORM p. 207**

Answers will vary.

**B. MAIN IDEAS p. 207**

- 1. b
- 2. b

**C. DETAILS p. 207**

- 1. culture
- 2. embarrassing
- 3. Spanish
- 4. food

**D. REFLECT p. 207**

Answers will vary.

**READING 2**

**PREPARING TO READ**

**A. BUILD VOCABULARY p. 208**

- 1. resume
- 2. eagerly
- 3. triumph
- 4. reject
- 5. significance
- 6. stylish
- 7. mutter
- 8. force
- 9. look through
- 10. target

**B. USE VOCABULARY p. 208**

Answers will vary.

**C. SKIM p. 208**

Answers will vary. Possible answer: Each one uses a different variety of English.

**UNDERSTANDING THE READING**

**A. UNDERSTAND MAIN IDEAS p. 212**

- a. 3
- b. 2
- c. 1

**B. UNDERSTAND DETAILS p. 212**

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

**C. INFER MEANING p. 212**

Answers will vary. Possible answers:  
2, 3, 4, 6, 7, 9

**D. ANALYZE p. 212**

- 1. snake
- 2. swirl
- 3. jump
- 4. slither
- 5. trudge
- 6. bob

**E. IDENTIFY p. 213**

Answers will vary. Possible answers:

- 1. *Holden so lomantic.* (paragraph G)  
*You're no a bad shot fer a lassie.* (paragraph O)
- 2. *nice-nice* (paragraph L)  
*heid* (paragraph P)
- 3. *William Holden is the actor, is it?* (paragraph D)  
*I used to love hear him voice.* (paragraph J)

**F. CATEGORIZE p. 213**

- 1. *The Adventures of Holden Heng; After Colette*
- 2. *The Adventures of Holden Heng; A Million Aunties*
- 3. *A Million Aunties*

## LEVEL 3 Answer Key

4. *After Colette*
5. *The Adventures of Holden Heng; After Colette*

### G. INFER PURPOSE p. 213

1. a
2. c
3. a

### H. REFLECT p. 213

Answers will vary.

## VOCABULARY EXTENSION

### A. p. 214

1. multilingual
2. biannual
3. triathlon
4. monorail
5. monolingual
6. multipurpose
7. tricycle

### B. p. 214

1. smack
2. swoosh
3. buzzed
4. crash
5. dinged
6. chirping
7. banging
8. pitter-patter

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. COMPLETE A T-CHART p. 215

Arguments for:

- Important in media
  - over 1 bil. English internet users (Internet World Stats)
- Important in science
  - Over 90% of scientific lit. is in Eng. (Montgomery)
- Answers will vary. Possible answer: Important in business—still the lingua franca

Arguments against:

- English declining as a 1st language
  - Eng. as 1st lang. will be spoken by only 5% of pop. in 2050 (Graddol)
- Mandarin becoming more important
  - 929 mil. Mandarin speakers (as their first language); Eng. only 373 mil.
- Answers will vary. Possible answer: Some languages shared by more countries—Spanish has more first-language speakers

### B. USE A T-CHART p. 216

Answers will vary.

### C. NOTICE p. 216

1. Argument 1: It's difficult for immigrant children to be bilingual.  
Argument 2: Parents should encourage children to be bilingual.
2. Argument 2

### D. p. 217

1. *Although*
2. *should*

### E. p. 217

Answers will vary. Possible answers:

1. Although English might be useful in some situations, most children should learn Mandarin as a second language.
2. While Mandarin can be difficult to learn, it is useful in the world of business.
3. Even though English may have more speakers overall, there are more first-language Spanish speakers than first-language English speakers.

### F. p. 217

Answers will vary.

## WRITING TASK

### A. BRAINSTORM AND ORGANIZE IDEAS p. 218

Answers will vary.

### B. PLAN p. 218

Answers will vary.

**C. FIRST DRAFT p. 219**

Answers will vary.

**D. REVISED DRAFT p. 219**

Answers will vary.

**E. FINAL DRAFT p. 219**

Answers will vary.

**REVIEW**

**A. VOCABULARY p. 220**

Answers will vary.

**B. VOCABULARY EXTENSION p. 220**

Answers will vary. Possible answers:

1. moo, chirp
2. smack, bang

**C. READING SKILL p. 220**

1. b
2. a
3. c

**D. LANGUAGE FOR WRITING p. 220**

1. Although it is difficult to learn a new language
2. even though you may not speak the language  
fluently

## UNIT 10: SURVIVAL INSTINCT

### THINK AND DISCUSS p. 221

Answers will vary.

### EXPLORE THE THEME pp. 222–223

Answers will vary. Possible answers:

1. steep sides
2. the Pakistani side
3. Answers will vary.

## READING 1

### PREPARING TO READ

#### A. BUILD VOCABULARY p. 224

1. descend
2. recall
3. sensation
4. terrifying
5. task
6. gear
7. fate
8. summit
9. slope
10. expedition

#### B. USE VOCABULARY p. 224

Answers will vary.

#### C. SKIM p. 224

c

### UNDERSTANDING THE READING

#### A. SUMMARIZE p. 228

1. 2011
2. K2
3. six/6
4. camps
5. dangerous
6. husband
7. weather
8. death zone
9. first woman
10. oxygen

#### B. UNDERSTAND MAIN IDEAS p. 228

1, 3, 4, 6

#### C. SEQUENCE p. 228

e, c, d, h, a, b, f, g

#### D. INFER MEANING p. 229

1. c
2. d
3. e
4. a
5. b

#### E. INTERPRET FIGURATIVE LANGUAGE p. 229

Answers will vary. Possible answers:

1. The good weather was a happy surprise that was going to make their climbing possible that day.
2. to help readers visualize how small the human figures looked from where Ralf was standing
3. Some of them probably lost their lives climbing K2 or other mountains, so it made her emotional when she made it to the summit.

#### F. REFLECT p. 229

Answers will vary.

### DEVELOPING READING SKILLS

#### A. IDENTIFY ADVERBIAL PHRASES p. 230

1. During the summer of 2011
2. on the Chinese side of the mountain
3. To establish the route
4. without supplemental oxygen
5. On their first climb together
6. Below them
7. painfully slow
8. until morning
9. With a surge of energy and hope
10. Fifteen minutes later

#### B. IDENTIFY ADVERBIAL PHRASES p. 230

1. when
2. where
3. why
4. how
5. when
6. where

## LEVEL 3 Answer Key

7. how
8. when
9. how
10. when

**C. APPLY p. 230**

Answers will vary.

**VIDEO: Surviving a Night Outdoors****A. PREDICT p. 231**

Answers will vary.

**B. MAIN IDEAS p. 231**

1, 2, 4, 6

**C. DETAILS p. 231**

1. they underestimate their journey
2. the wind
3. climbing rope
4. do exercise to stay warm
5. find your way out

**D. REFLECT p. 231**

Answers will vary.

**READING 2****PREPARING TO READ****A. BUILD VOCABULARY p. 232**

1. crisis
2. supplies
3. panic
4. shelter
5. in the midst
6. tough
7. priority
8. evacuate
9. assistance
10. civilization

**B. USE VOCABULARY p. 232**

Answers will vary.

**C. PREDICT p. 232**

Answers will vary.

**UNDERSTANDING THE READING****A. UNDERSTAND MAIN IDEAS p. 236**

2, 4, 5:

- ... make a plan about where to meet, what things to store, etc.
- ... focus on gathering things you need, not things you want.
- ... be aware of your psychological state.

**B. UNDERSTAND DETAILS p. 236**

1. likely
2. first aid
3. utilities
4. supplies
5. panic
6. survive
7. airport
8. a week

**C. UNDERSTAND DETAILS p. 236**

1. T
2. T
3. NG
4. F
5. T

**D. INFER MEANING p. 236**

1. c
2. d
3. a
4. b

**E. IDENTIFY ADVERBIAL PHRASES p. 237**

1. Every year; when
2. without utilities; how
3. to fill; why
4. during any emergency; when

**F. APPLY p. 237**

Answers will vary. Possible answers:

1. to make calls when cell phones don't work
2. to have enough for an emergency
3. before things get difficult
4. after considering your needs



## LEVEL 3 Answer Key

### G. CATEGORIZE p. 237

Answers will vary. Suggested answers:

Wants: b, c, d, f, g, i

Needs: a, e, h, j, k, l

### H. PERSONALIZE p. 237

Answers will vary.

## VOCABULARY EXTENSION

### A. p. 238

1. stay inside
2. stay calm
3. stay together
4. stay informed
5. stay with a friend
6. stay there

### B. p. 238

1. celebration
2. assistance
3. evacuate
4. appeared
5. disappearance
6. frustrated

## WRITING

### EXPLORING WRITTEN ENGLISH

#### A. NOTICE p. 239

1. a
2. c
3. b

#### B. IDENTIFY p. 240

1. located
2. had sunk
3. assumed
4. had died
5. was holding
6. had been breathing
7. lived

#### C. APPLY p. 240

1. had climbed; decided
2. had attempted; succeeded

3. hit / had hit; was climbing

4. had been waiting; got

### D. ANALYZE p. 240

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

### E. p. 241

1. third person
2. K2, summer 2011
3. Maxut Zhumayev and Vassiliy, Tommy Heinrich, Dariusz, Gerlinde Kaltenbrunner, Ralf Dujmovits
4. Gerlinde Kaltenbrunner
5. bad weather, low oxygen levels, snow, the danger of avalanches; reaching the top
6. Four of them made it to the summit.
7. Paragraph D: *On August 16; two days later; at around 6:30 a.m.*  
Paragraph N: *after; for 12 hours; for the night; now*  
Paragraph R: *around 7 a.m.; By mid-afternoon; soon; finally; 4:35 p.m.*

### F. p. 241

c

## WRITING TASK

### A. BRAINSTORM p. 242

Answers will vary.

### B. PLAN p. 242

Answers will vary.

### C. FIRST DRAFT p. 243

Answers will vary.

### D. REVISED DRAFT p. 243

Answers will vary.

### E. FINAL DRAFT p. 243

Answers will vary.

**LEVEL 3 Answer Key**

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**REVIEW**

**A. VOCABULARY p. 244**

Answers will vary.

**B. VOCABULARY EXTENSION p. 244**

1. a. Stay inside.  
b. Stay together
2. evacuation; assistance

**C. READING SKILL p. 244**

1. F; a noun → an action or an event
2. T
3. F; contain → don't contain

**D. LANGUAGE FOR WRITING p. 244**

1. are searching → were searching / had been searching
2. train → had trained