

# Workbook answer key

## Unit 1

### Lesson A

#### Exercise 1

Across:

- 3 fashion
- 4 art
- 8 languages

Down:

- 1 sports
- 2 politics
- 5 technology
- 6 culture
- 7 travel

#### Exercise 2

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

#### Exercise 3

- 1 It's Gomez.
- 2 Yes, she is.
- 3 No, it isn't.
- 4 She's 22 years old.
- 5 She's from Mexico.
- 6 She's interested in soccer and tennis.
- 7 Yes, she is.
- 8 She's interested in China, Japan, and South Korea.

#### Exercise 4

- 1 Yolanda is interested in sports.
- 2 She's not interested in fashion.
- 3 She's interested in politics.
- 4 She's interested in travel.
- 5 She's not interested in art.
- 6 She's not interested in pop culture.
- 7 She's interested in literature.
- 8 She's interested in languages.

#### Exercise 5

- 1 What's your name?
- 2 Where are you from?
- 3 How old are you?
- 4 Are you married or single?
- 5 How old is your husband?
- 6 Are you interested in languages?
- 7 Are you interested in travel?

### Lesson B

#### Exercise 1

- Gino: Hi. This is Gina.  
 Clerk: Hello, Gina. What's your lastname?  
 Gino: My last name is Rodriguez.  
 Clerk: Could you say that again, please?  
 Gino: Sure. Rodriguez.  
 Clerk: Oh, OK, Ms. Rodriguez. How do you spell that?  
 Gino: R-O-D-R-I-G-U-E-Z.

#### Exercise 2

- 1 more slowly
- 2 more slowly
- 3 repeat
- 4 more slowly
- 5 repeat

### Lesson C

#### Exercise 1

- 1 gymnastics
- 2 swim
- 3 yoga
- 4 karate
- 5 table tennis
- 6 bowl
- 7 golf
- 8 ski
- 9 baseball

#### Exercise 2

- 1 do gymnastics
- 2 play table tennis
- 3 ski
- 4 do yoga
- 5 play golf

#### Exercise 3

- 1 A: What sports does she play?  
B: She plays table tennis.
- 2 A: Where do they do gymnastics?  
B: They do gymnastics at school.
- 3 A: Does he like karate?  
B: Yes, he does.
- 4 A: When do you play golf?  
B: I play golf in the morning.
- 5 A: Do you sell skis?  
B: No, we don't.
- 6 A: Do they swim in the afternoon?  
B: No, they don't.

#### Exercise 4

- |           |          |
|-----------|----------|
| 1 like    | 7. don't |
| 2 don't   | 8. likes |
| 3 like    | 9. Do    |
| 4 When do | 10. play |
| 5 do      | 11. like |
| 6 Do      | 12. do   |

#### Exercise 5

- |         |         |
|---------|---------|
| 1 likes | 5 play  |
| 2 has   | 6 wins  |
| 3 wins  | 7 likes |
| 4 plays | 8 have  |

#### Exercise 6

- 1 What game does Linda like?
- 2 Does a miniature golf course have 18 holes?

- 3 Who does Linda play miniature golf with?
- 4 Where do Linda and Debbie / they play miniature golf?
- 5 When do Linda and Debbie / they play miniature golf?
- 6 Does Debbie like the game, too?

#### Exercise 7

Answers will vary.

### Lesson D

#### Exercise 1

The following items are checked: 1, 2, 6

#### Exercise 2

- 1 The decathlon has ten events.
- 2 Athletes throw things in three events.
- 3 The shot is a large heavy ball.
- 4 Men jump over hurdles on a 110-meter course.
- 5 The women's decathlon started in 2001.

## Unit 2

### Lesson A

#### Exercise 1

- |             |               |
|-------------|---------------|
| 1 friendly  | 6 creative    |
| 2 talkative | 7 funny       |
| 3 confident | 8 hardworking |
| 4 generous  | 9 serious     |
| 5 shy       |               |

#### Exercise 2

- 1 Ethan is shy but confident.
- 2 Rita is friendly and talkative / talkative and friendly.
- 3 Tom and Ed are serious and hardworking / hardworking and serious.
- 4 Paul and Yoko are creative.
- 5 Ms. Perez is generous.
- 6 Emma is funny.

#### Exercise 3

- 1 Laura is a shy but confident person.
- 2 Sue and Kelly are hardworking students.
- 3 Dana is a talkative and funny girl.
- 4 He's a serious but friendly guy.
- 5 She's a generous mother.
- 6 They're creative and confident musicians.
- 7 I'm a friendly person.
- 8 Mr. Nelson is a talkative but serious teacher.

# Answer Key Third Edition Workbook

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web answer see below explanation the rate of a chemical reaction  $k$  is given in first approximation by  $k = A e^{-E_a/RT}$  where  $k$  depends by many factors as solvent geometry type of reaction  $E_a$  is the activation energy  $R$  is the universal constant of gases  $T$  is the absolute temperature

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web mar 17 2016 3 what is the activation energy of a reaction and how is this energy related to the activated complex of the reaction  $E_a$  is the minimum amount of energy for a reaction to occur it is the amount of energy required to create an activated complex 4 what happens when a catalyst is used in a reaction a catalyst changes the reaction

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