

Unit 01

Canapé? Yes, We Can!

Key Words (p. 07)

- B. 1. crust
2. quarter
3. canapé
4. groceries
5. hard-boiled
6. slice

Think about it (p. 09)

I'd like to put ham, hard-boiled eggs, cherry tomatoes, cheese, cucumber, smoked salmon, cream cheese, olives, capers, and avocado on my canapés.

** Answers may vary.*

Comprehension (pp. 10-11)

A. ②

- B. 1. hungry
2. little
3. sandwiches

C. 1. ② 2. ③ 3. ②, ③

D. cherry tomatoes, Cut off, quarters, mayonnaise

Link to Write (p. 11)

Canapé Time!

- What you need: slices of bread, **cucumber, hard-boiled eggs, cherry tomatoes, smoked salmon, olives, capers, avocado, etc.**
- How to make:
 1. Cut each slices of bread into quarters.
 2. Slice **cucumber, olives, tomatoes, and eggs.**
 3. Add **everything neatly on the bread.**

** Answers may vary.*

Unit 02

A Flight Back in Time

Key Words (p. 13)

- B. 1. whisper
2. mechanic
3. museum
4. hug
5. guide
6. dinosaur

Think about it (p. 15)

I'd like to see dinosaurs rather than seeing airplanes.

** Answers may vary.*

Comprehension (pp. 16-17)

A. museums, airplanes

- B. 1. museum
2. dinosaurs
3. engine

C. 1. ②, ③ 2. ② 3. ②

D. mechanics, inventors, airplane, engine

Link to Write (p. 17)

My Visit to a Museum

I went to **the Ancient Egypt Gallery in the British Museum**. I saw lots of **Egyptian sculptures**. The most interesting part was **the mummies**. I learned **the Ancient Egyptians believed the afterlife**.

** Answers may vary.*

Unit 03 Cleaner, Greener Cities

Key Words (p. 19)

- B. 1. tram
2. public transit
3. landfill
4. garbage
5. pollution
6. recyclables

While you read (p. 21)

It's because things are close together in Freiburg.

Comprehension (pp. 22-23)

- A. ③
- B. 1. trams
2. cheap
3. recycling
- C. 1. ③ 2. ③, ④ 3. ①
- D. Freiburg: pollution, close
Curitiba: Brazil, tokens

Link to Write (p. 23)

For Our Clean and Green Neighborhood

There are many things we can do to make our neighborhood clean and green. Why don't we all take part?

1. Let's NOT litter on the streets.
2. Let's use more public transit like buses or trains.
3. Let's NOT **use too much packaging**.
4. Let's **recycle as much as possible**.

** Answers may vary.*

Unit 04 The Amazing Multiplying Bottle

Key Words (p. 25)

- B. 1. drain
2. Count
3. multiply
4. flush
5. toilet tank
6. bottle

While you read (p. 26)

We should put the bottle in the toilet tank.

Comprehension (pp. 28-29)

- A. water, bottle
- B. 1. tank
2. space
3. 10.5 L
- C. 1. ③ 2. ① 3. ③
- D. water, toilet tank, Flush, drain, bottle

Link to Write (p. 29)

I Save **Water**!

Saving **water** is very important. So I try to do these things.

First, I **put a water bottle in the toilet tank**.

Also, I try to **have short showers rather than longer ones**.

It's not hard at all. Why don't you try too?

** Answers may vary.*

Unit 05 Little Boy, Big Heart

Key Words (p. 33)

- B. 1. escape
2. debt
3. ignore
4. Law
5. slavery
6. crime

While you read (p. 34)

It's because the shop owner paid the police, and they ignored the law.

Comprehension (pp. 36-37)

A. escaped, helped

- B. 1. police
2. the world
3. 1995

C. 1. ⑥ 2. ③ 3. ①

D. Pakistan, debt, carpet, children, world, child slavery

Link to Write (p. 37)

Help Whom and How?

I want to help children who suffer from **hunger**.

They don't **eat properly and get lots of diseases from it**. It is unfair.

I can help them by **donating some of my pocket money**.

** Answers may vary.*

Unit 06 The Darkest Hour

Key Words (p. 39)

- B. 1. sleeve
2. Power
3. scare
4. spooky
5. turn off
6. grabbed

Think about it (p. 40)

I feel scared and frightened when the lights go out at once.

** Answers may vary.*

Comprehension (pp. 42-43)

A. ③

- B. 1. funny
2. ears
3. energy

C. 1. ⑥ 2. ③ 3. ①

- D. 1. organized
2. every year
3. lights
4. energy

Link to Write (p. 43)

Join **Nature Rally!**

- When: **3 pm, this Sunday**
- Where: **at the city center**

We **walk through the main street**. We do this to **remind people of the importance of saving Mother Nature**. Why don't you join us?

** Answers may vary.*

Unit 07

The Two Histories of Printing

Key Words (p. 45)

- B. 1. clay
2. letter
3. Bible
4. Buddhist
5. metal
6. printing

While you read (p. 46)

It's because it is the oldest surviving book that was printed using movable metal letters. It was made this way in 1377.

Comprehension (pp. 48-49)

A. letters, printing

- B. 1. Buddhist
2. metal
3. printing

C. 1. ① 2. ①, ③ 3. ③

D. The Jikji: 1377, Buddhist, metal
Gutenberg's Bible: 1455, European, printing

Link to Write (p. 49)

An Old Book of My Country

- Book Title: **Aesop's Fables**
- First written about **more than 100** years ago
- Why is it so special?
1. **It gives us important lessons about life.**
2. **It's very witty and interesting.**

** Answers may vary.*

Unit 08

Korean Vacation

Key Words (p. 51)

- B. 1. online
2. suggest
3. folk village
4. temple
5. disappointed
6. text message

Think about it (p. 52)

I would like to introduce the Gyeongbokgung Palace to my foreign friends.

** Answers may vary.*

Comprehension (pp. 54-55)

A. ②

- B. 1. Seoul
2. online
3. *hanji* class

C. 1. ① 2. ③ 3. ③

D. Monday: folk village
Tuesday: *pansori*
Wednesday: *hanji*, Buddhist temple

Link to Write (p. 55)

A One-Day Trip

- Place to go: **Niagara Falls**
- Date/Time: **this Saturday**
7 am–7 pm
- Things to do:
1. You can **see the beautiful falls.**
2. You can **take a boat in the lake.**

** Answers may vary.*

Unit 09 The Flag Bet

Key Words (p. 59)

- B. 1. euro
2. breeze
3. point
4. flag
5. seashore
6. cycle

Think about it (p. 60)

At night, the wind blows from land to the sea.

Comprehension (pp. 62-63)

A. ⑥

- B. 1. Daniel
2. flag
3. Land

C. 1. ③ 2. ⑥ 3. ①

D. In the daytime: rises, empty, cooler, rushes
At night: backwards

Link to Write (p. 63)

On Hot Summer Days

I know a good place to go on hot summer days. It's **the forest**. When I'm there, **I can breathe in fresh and cooler air**. So I feel so **relaxed and refreshed**.

** Answers may vary.*

Unit 10 Peace on the Earth

Key Words (p. 65)

- B. 1. thunder
2. race
3. reach
4. bang
5. Lightning
6. quiet

Think about it (p. 66)

I find lightning more frightening because I'm scared it can hit me.

** Answers may vary.*

Comprehension (pp. 68-69)

A. ⑥

- B. 1. Gases
2. 340
3. Thunder

C. 1. ① 2. ①, ③ 3. ⑥

D. Lightning: light, 300, noisier
Thunder: loud noise, 340, inside

Link to Write (p. 69)

What Terrible Weather!

I experienced my worst weather **two weeks ago**. It was **windy and snowing**. I was at **my friend's house**. I was **so scared to go home alone**.

** Answers may vary.*

Unit 11 The Cabbage pH Test

Key Words (p. 71)

- B. 1. in between
- 2. scientist
- 3. Litmus paper
- 4. Blend
- 5. measure
- 6. cabbage

While you read (p. 73)

There are neutral chemicals (compounds) in the middle of the pH scale.

Comprehension (pp. 74-75)

A. test, neutral

- B. 1. blue
- 2. red cabbage
- 3. two hours

C. 1. ⑥, ③ 2. ① 3. ③

D. red cabbage, mixture, filter, water

Link to Write (p. 75)

My Own pH Test

I did my own pH test today. I made red cabbage juice and tested a few things in it. First, I tested lemon. The juice turned red. I also tested **baking soda**. The juice **turned blue**. After that, I **tested milk**, and the juice **didn't change its color**.

** Answers may vary.*

Unit 12 Heart Smart

Key Words (p. 77)

- B. 1. blood
- 2. heart
- 3. pump
- 4. lungs
- 5. tube
- 6. rib cage

While you read (p. 78)

My heart pumps blood around my body.

Comprehension (pp. 80-81)

A. pumps, tubes

- B. 1. carbon dioxide
- 2. tubes
- 3. Veins

C. 1. ⑥, ③ 2. ③ 3. ①

D. Heart: blood
Blood: oxygen
Arteries: heart
Veins: carbon dioxide

Link to Write (p. 81)

Our **Liver**

We have **a liver** in our bodies. It is **right inside your abdomen, up under the ribcage**. And it has **a gallbladder underneath**. It is very important because **it cleans the blood in the body and stores energy**.

** Answers may vary.*

Unit 13 The Dark Side of Junk

Key Words (p. 85)

- B. 1. stack
2. statue
3. Junk
4. hole
5. cylinder
6. shadow

While you read (p. 87)

They'll be nice antennas of the shadow buildings.

Comprehension (pp. 88-89)

A. shadows, recyclables

- B. 1. cylinders
2. on the wall
3. windows

C. 1. © 2. b, © 3. a

D. recyclables, table, Stack, picture

Link to Write (p. 89)

My Junk Art Project

I will make **a big glass tower**.
To make it, I need **lots of empty glass bottles**.

• Here's how:

1. **Gather empty clear glass bottles.**
2. **Stack bottles. Put more bottles at the bottom, and add fewer bottles on them.**

** Answers may vary.*

Unit 14 Ideas Are Property

Key Words (p. 91)

- B. 1. steal
2. website
3. copy
4. mad
5. permission
6. confused

Think about it (p. 93)

He made a copy of Justin's website to show him why copying other people's ideas is wrong.

** Answers may vary.*

Comprehension (pp. 94-95)

A. ©

- B. 1. pay for
2. illegal
3. Alan

C. 1. a, © 2. b 3. ©

D. Justin's website: videos, stealing, permission
Alan's website: copy, Justin

Link to Write (p. 95)

Stop Stealing Ideas!

We simply download music files or videos without paying for them. Also, we upload pictures or stories without permission. That's stealing ideas!

To stop doing so,

1. We should pay money for any music files.
2. We **should pay for movies or TV shows**.
3. We **should not use other people's opinions on their websites without getting permission**.

** Answers may vary.*

Unit 15 The Come-Back Stick

Key Words (p. 97)

- B. 1. snore
2. horn
3. curve
4. spin
5. jeep
6. boomerang

Think about it (p. 99)

The top wing of a boomerang moves in the direction that it is thrown, but the bottom wing moves in the opposite direction. As a result, the boomerang tilts and gradually returns to the thrower.

** Answers may vary.*

Comprehension (pp. 100-101)

A. boomerangs, traveling

- B. 1. Jabo
2. fun
3. wake up

C. 1. **b** 2. **a**, **b** 3. **c**

D. Returning boomerangs: come back
Hunting boomerangs: curved, heavier, return

Link to Write (p. 101)

Come and Play **Treasure Hunting!**

- Date & Place: **May 1st in the Central Park**
- Things to prepare: **comfortable shoes and clothes**
- How to play:

- (1) **The whistle will signal the start.**
(2) **You can look for the hidden treasures.**

If you want to come, email or send a text message to **treasurehunt@umail.com**.

** Answers may vary.*

Unit 16 You Can Yoga!

Key Words (p. 103)

- B. 1. arch
2. chin
3. chest
4. relax
5. stretch
6. palm

While you read (p. 104)

It helps you improve balance, flexibility, and concentration. It also helps reduce stress.

Comprehension (pp. 106-107)

A. **a**

- B. 1. stress
2. palms
3. ankles

C. 1. **a**, **c** 2. **c** 3. **b**

D. Cobra pose: palms, chest, arch, chin
Bow pose: ankles, stomach

Link to Write (p. 107)

The Cat Pose

1. Kneel on the floor.
2. Put your both palms on the floor.
3. Arch **your back upwards**.
4. Point **your chin downwards**.

** Answers may vary.*

Unit 01

Canapé? Yes, We Can!

Word Practice (p. 04)

- A. 1. Ⓐ 2. Ⓐ 3. Ⓑ
4. Ⓐ 5. Ⓑ 6. Ⓑ
- B. 1. growls
2. proudly
3. pause

Sentence Practice (p. 05)

1. Nick found slices of ham and cheese.
2. She cut each piece into quarters.
3. Mom came in with groceries.
4. The kids proudly showed her their canapés.

Summary (p. 05)

- ① hungry ② refrigerator ③ canapés
④ crusts ⑤ quarters

Unit 02

A Flight Back in Time

Word Practice (p. 06)

- A. 1. Ⓐ 2. Ⓑ 3. Ⓑ
4. Ⓐ 5. Ⓑ 6. Ⓐ
- B. 1. arrived at
2. stranger
3. research
4. complain

Sentence Practice (p. 07)

1. We always do what Martina wants.
2. Martina knew he was upset.
3. Juan saw two men in very old clothes.
4. The guides explained more about the Flyer.

Summary (p. 07)

- ① Museum ② strangers ③ clothes
④ guides ⑤ engine

Unit 03

Cleaner, Greener Cities

Word Practice (p. 08)

- A. 1. Ⓑ 2. Ⓑ 3. Ⓑ
4. Ⓐ 5. Ⓐ 6. Ⓐ
- B. 1. exchange
2. Besides
3. make a living
4. creative

Sentence Practice (p. 09)

1. Most cities face environmental problems.
2. Trams are like electric buses.
3. They save energy and reduce pollution.
4. It helps many people make a living.

Summary (p. 09)

- ① environmental ② pollution ③ close
④ exchange ⑤ tokens

Unit 04

The Amazing Multiplying Bottle

Word Practice (p. 10)

- A. 1. Ⓐ 2. Ⓑ 3. Ⓐ
4. Ⓑ 5. Ⓑ 6. Ⓐ
- B. 1. daily
2. times
3. save
4. take up

Sentence Practice (p. 11)

1. All you need is a 1.5-liter bottle.
2. Ask a parent to open the toilet tank.
3. You're ready to start saving water!
4. That's how many liters you save daily.

Summary (p. 11)

- ① water ② tank ③ less
④ flush ⑤ Multiply

Unit 05

Little Boy, Big Heart

Word Practice (p. 12)

- A. 1. Ⓐ 2. Ⓑ 3. Ⓑ
4. Ⓐ 5. Ⓐ 6. Ⓑ
- B. 1. mystery
2. illegal
3. repay
4. remain

Sentence Practice (p. 13)

1. Iqbal learned this was illegal.
2. He helped other children do the same.
3. He began traveling around the world.
4. The crime remains a mystery.

Summary (p. 13)

- ① carpet ② escape ③ tried
④ children ⑤ slavery

Unit 06

The Darkest Hour

Word Practice (p. 14)

- A. 1. Ⓑ 2. Ⓐ 3. Ⓑ
4. Ⓐ 5. Ⓐ 6. Ⓑ
- B. 1. reminder
2. at once
3. disappeared
4. organized

Sentence Practice (p. 15)

1. Maybe someone is watching us.
2. The lights in every window went out.
3. People turn off lights for an hour.
4. Can you let go of my sleeve now?

Summary (p. 15)

- ① scare ② lights ③ disappeared
④ Earth ⑤ hour

Unit 07

The Two Histories of Printing

Word Practice (p. 16)

- A. 1. Ⓐ 2. Ⓐ 3. Ⓑ
4. Ⓑ 5. Ⓐ 6. Ⓑ
- B. 1. last
2. revolution
3. surviving
4. Movable

Sentence Practice (p. 17)

1. Printing developed over many years.
2. Goryeo made the first known metal letters.
3. It is the oldest surviving book of its kind.
4. The metal letters lasted longer.

Summary (p. 17)

- ① printing ② surviving ③ metal
④ Bible ⑤ revolution

Unit 08

Korean Vacation

Word Practice (p. 18)

- A. 1. Ⓐ 2. Ⓑ 3. Ⓑ
4. Ⓐ 5. Ⓐ 6. Ⓑ
- B. 1. Text
2. reply
3. was about to
4. surprise

Sentence Practice (p. 19)

1. She was visiting Seoul with her family!
2. Soobin waited for Klara's reply.
3. She was about to suggest Insadong.
4. We already have plans to eat Buddhist temple food.

Summary (p. 19)

- ① visited ② introduce ③ suggested
④ temple ⑤ themselves

Unit 09 The Flag Bet

Word Practice (p. 20)

- A. 1. Ⓐ 2. Ⓐ 3. Ⓑ
4. Ⓑ 5. Ⓑ 6. Ⓐ
- B. 1. fee
2. rush
3. nonsense
4. backwards

Sentence Practice (p. 21)

1. I can say which way it's pointing.
2. When Daniel said "day," she said "towards land."
3. Land heats up faster than water.
4. It rushes into the empty space.

Summary (p. 21)

- ① flag ② pointing ③ land
④ sea ⑤ breezes

Unit 10 Peace on the Earth

Word Practice (p. 22)

- A. 1. Ⓐ 2. Ⓑ 3. Ⓐ
4. Ⓑ 5. Ⓑ 6. Ⓐ
- B. 1. peace
2. yell
3. crashed

Sentence Practice (p. 23)

1. The electricity also heated the gas nearby.
2. Lightning ran at almost 300 million m/s.
3. Thunder moved only a little.
4. Just then, Thunder finally reached the Earth.

Summary (p. 23)

- ① Earth ② scare ③ faster
④ noisier ⑤ quiet

Unit 11 The Cabbage pH Test

Word Practice (p. 24)

- A. 1. Ⓑ 2. Ⓐ 3. Ⓐ
4. Ⓐ 5. Ⓑ 6. Ⓑ
- B. 1. sit
2. neutral
3. scale
4. mixture

Sentence Practice (p. 25)

1. It goes from strong acids to strong alkalis.
2. Now you can make your own pH test.
3. The cabbage juice will come through.
4. Can you guess the colors?

Summary (p. 25)

- ① measures ② cabbage ③ glasses
④ red ⑤ nothing

Unit 12 Heart Smart

Word Practice (p. 26)

- A. 1. Ⓐ 2. Ⓐ 3. Ⓑ
4. Ⓑ 5. Ⓐ 6. Ⓑ
- B. 1. breathe out
2. Breathe in
3. get rid of
4. carry

Sentence Practice (p. 27)

1. I pump blood around the body.
2. The other is bringing carbon dioxide back.
3. Some blood goes from me to the lungs.
4. Can you see the arteries and veins?

Summary (p. 27)

- ① blood ② oxygen ③ lungs
④ carbon dioxide ⑤ tubes

Unit 13

The Dark Side of Junk

Word Practice (p. 28)

- A. 1. **b** 2. **b** 3. **a**
4. **a** 5. **b** 6. **a**
- B. 1. gather
2. flashlight
3. antenna

Sentence Practice (p. 29)

1. You can also make junk art with shadows.
2. Place a table in front of the wall.
3. Take a picture when you're done.
4. What will your city look like?

Summary (p. 29)

- ① recyclables ② rectangles ③ box
④ holes ⑤ picture

Unit 14

Ideas Are Property

Word Practice (p. 30)

- A. 1. **a** 2. **b** 3. **b**
4. **a** 5. **b** 6. **a**
- B. 1. slammed
2. upload
3. property
4. moment

Sentence Practice (p. 31)

1. You're not paying for them.
2. Did you get permission from the creators?
3. It was a copy of his website.
4. Everything else was the same.

Summary (p. 31)

- ① website ② illegal ③ permission
④ copy ⑤ understood

Unit 15

The Come-Back Stick

Word Practice (p. 32)

- A. 1. **a** 2. **a** 3. **b**
4. **a** 5. **a** 6. **b**
- B. 1. slightly
2. returning
3. sideways
4. overhand

Sentence Practice (p. 33)

1. Colebee showed them a V-shaped boomerang.
2. Hold it up-and-down, not sideways.
3. Returning boomerangs are just for fun.
4. Colebee smiled and pointed at the jeep.

Summary (p. 33)

- ① boomerang ② returned ③ fun
④ heavier ⑤ horn

Unit 16

You Can Yoga!

Word Practice (p. 34)

- A. 1. **b** 2. **b** 3. **a**
4. **b** 5. **a** 6. **b**
- B. 1. strengthen
2. flexibility
3. relieve
4. balance

Sentence Practice (p. 35)

1. It's a good exercise for kids too.
2. First, pay attention to your breathing.
3. This pose relieves your back pain.
4. Let only your stomach touch the floor.

Summary (p. 35)

- ① breathing ② starting ③ palms
④ arch ⑤ stomach