

EXERCISES

Exercise A

- 1. Look at the pictures in the *Warm-Up* lesson and listen to the sentences.
Then complete the sentences with the correct phrases.**

1. There are many theories about how crop circles _____.
2. Some people believe that they _____ by energy within the Earth.
3. The mystery of crop circles _____.
4. Stonehenge _____ several large stones that form a circle.
5. There are many theories about how Stonehenge _____.

- 2. Fill in the correct words.**

a. are	b. but	c. how	d. if	e. that	f. is
g. never	h. often	i. once	j. still	k. where	l. in order to

1. Salmon _____ born in freshwater, _____ migrate to the ocean to live.
2. They _____ travel hundreds of miles upstream _____ reproduce.
3. Some evidence suggests _____ Stonehenge was _____ a place to bury the dead.
4. People _____ aren't sure how the birds know _____ they are going.
5. It is a mystery _____ the leader _____ chosen.

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Exercise B

1. Listen to *Dialog 1* in *School Life* then fill in the correct words.

Maya is trying to decide which foreign language to take next year.

Maya: I'd rather learn French... because of ballet. But now (a) _____
 _____ Spanish instead. What (b) _____?

Tina: I don't know... You need (c) _____ of a language, for college.

If you'd rather learn French, then, (d) _____, I'd take French.

Maya: But the class is (e) _____, right?

Tina: Well... yes and no... But (f) _____ the class is bad, it'll give
 you time (g) _____. You can always (h) _____
 _____ the teacher asks, if you want to.

2. Listen to the *Dialog 2* in *School Life* then fill in the missing words.

a. bring	b. come	c. to bring	d. she is	e. I have	f. go
g. let me	h. let you	i. I'm having	j. she'll	k. coming	l. will

Tiara: (1) _____ a sleepover at my house on Saturday. Can you (2) _____?

Tina: I think so, but (3) _____ check with my parents. I'll call you tonight and (4) _____
 know. Who else is (5) _____?

Tiara: Jane and Melanie (6) _____ be there, and Maya says (7) _____ try.

Tina: What are we supposed (8) _____?

Tiara: Just (9) _____ a sleeping bag and some warm clothes. We may (10) _____ ice
 skating.

Tina: Ice skating! That sounds fun.

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Exercise C

1. Put the words into the correct order.

Example: /foreign/ /what/ /is/ /taking/ /Tina/ /language/ ?

Question: _____

Answer: She's taking Spanish.

Question: What foreign language is Tina taking?

Answer: She's taking Spanish.

1. /Maya/ /would/ /study/ /prefer/ /language/ /to/?

Question: _____

Answer: Maya would rather study French.

2. /advice/ /Tina/ /does/ /to Maya/ /what/ /give/?

Question: _____

Answer: She advises her to take French even if the teacher isn't good.

3. /accept/ /right/ /why/ /doesn't/ /away/ /Tina/ /invitation/ /the/?

Question: _____

Answer: She wants to check with her parents first.

4. /supposed/ /what/ /are/ /to bring/ /they/ /to/ /the sleepover/?

Question: _____

Answer: They are supposed to bring sleeping bags and some warm clothes.

5. /instead/ /Maya/ /can/ /not/ /to skate/ /if/ /decides/ /what/ /she/ /do/?

Question: _____

Answer: If she decides not to skate, she can do her homework.

2. Listen to the *Dialogs*. Answer these questions.

1. If you were Maya, would you take Spanish or French next year? _____

2. If you were Maya, would you go to Tiara's party? _____

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Exercise D

1. Listen to the *Goods and Services* then fill in the correct words and phrases.

a. famous for	b. believed	c. data	d. behavior	e. in using	f. influence
g. interested in	h. learn	i. occurs	j. research	k. states that	l. the use of

1. Freud _____ that the unconscious mind has a major _____ on a person's behavior.
2. Galton was an expert _____ testing and statistics to do _____.
3. He introduced _____ questionnaires and surveys to collect _____.
4. Ivan Pavlov was _____ his experiments on the _____ of dogs.
5. Pavlov's theory _____ all behavior _____ for a reason.
6. Skinner was very _____ how people _____ new behaviors.

2. Read this excerpt from *Memory and Learning*. Then read the paraphrases below and fill in the number of the sentence in the paragraph that has the same meaning.

(1) When you learn something, you are changing your brain. (2) If you switch on a memory, nerve impulses move along the pattern of neural connections for that memory. (3) When you learn something new, new neural connections are formed, creating a new pattern. (4) With many repetitions, these neural connections become strong, and you don't forget. (5) With only a few repetitions, memories fade and are forgotten because the neural pathways disappear. (6) When developing a skill, for example, frequent repetition is often the best way to develop it. (7) So if you want to learn a new language, it's important to practice using it as often as you can.

- _____ Efficient skill development is the result of frequent repetition.
- _____ Multiple repetitions strengthen neural connections.
- _____ New patterns of neural connections result from learning something new.
- _____ 1 Your brain changes as the result of learning something new.
- _____ Practice is critical in learning a new language.
- _____ Recalling a memory causes nerve impulses to travel along neural connections.
- _____ When neural pathways disappear, memories fade.

EXERCISES

Exercise E

1. Listen to *Brain Systems* then fill in the missing words.

a. voluntary	b. responsible	c. brain	d. eyes	e. input	f. specialized
g. processes	h. processing	i. cortex	j. ears	k. visual	l. layer

The outer (1) _____ of the (2) _____ is called the cerebral cortex. It is (3) _____ for information (4) _____, sensation, and (5) _____ muscle movement. Sensory (6) _____ is received in (7) _____ parts of the cortex, such as the (8) _____ cortex. The visual cortex (9) _____ visual information from your (10) _____.

2. Connect the two parts of each sentence.

- | | |
|---------------------------------|-------------|
| 1. Galton conclude | _____g_____ |
| 2. A memory | _____ |
| 3. Repeating something | _____ |
| 4. Long-term memory | _____ |
| 5. Unconscious memories | _____ |
| 6. When you learn something, | _____ |
| 7. Short-term memory | _____ |
| 8. Neurons | _____ |
| 9. The brain | _____ |
| 10. When neurons fire together, | _____ |

- | |
|--|
| a. they wire together. |
| b. consists of neurons, a type of nerve cell. |
| c. helps to encode the memory. |
| d. are developed through practice and repetition. |
| e. is a stored pattern of neural connections. |
| f. use chemical signals to communicate with each other. |
| g. that personality traits such as intelligence are inherited |
| h. receives information from your sensory memories. |
| i. is where your permanent memories are stored. |
| j. you are changing your brain. |

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Exercise F

1. Read each sentence. What is the cause (C)? What is the effect (E)?

Example: Air pollution can cause severe health problems.

 C air pollution

 E health problems

1. Human activities are having an effect on the Earth's climate.
 human activities
 climate change
2. As greenhouse gases build up in the atmosphere, the Earth gets warmer.
 increase in greenhouse gases
 global warming
3. In many parts of the world, people are dying because of diseases such as malaria.
 people dying
 diseases
4. The emergence of antibiotic resistant bacteria could lead to a deadly pandemic.
 rise of antibiotic resistant bacteria
 deadly pandemic
5. The world needs to find new sources of energy, since oil and coal supplies will eventually run out.
 need for new sources of energy
 decrease in supplies of oil and coal
6. As populations increase, freshwater shortages become more of a concern.
 increases in population
 shortages of freshwater
7. The main reason the world's population continues to grow is that people are living longer.
 world population growth
 people live longer
8. Waste products from industry often pollute rivers and lakes.
 waste products
 pollution
9. Some changes in climate are due to natural cycles.
 changes in climate
 natural cycles
10. Motor vehicle emissions are one of the major causes of air pollution.
 vehicle emissions
 air pollution

EXERCISES

Exercise F (continued)

2. Put the words into the correct order to make questions.

Example: /growing/ /do/ /require/ /economies/ /what/?

Question: _____

Answer: Growing economies need energy.

***Answer:** /growing/ /do/ /require/ /economies/ /what/?*

Question: What do growing economies require?

Answer: Growing economies need energy.

1./to/ /levels/ /is/ /what/ /ocean/ /rise/ /causing/?

Question: _____

Answer: Melting ice caps due to climate change are causing ocean levels to rise.

2./energy/ /will/ /new/ /happen/ /without/ /what/ /sources/ /of/?

Question: _____

Answer: Without new sources of energy, the world will face an energy crisis.

3./disease/ /cause/ /is/ /what/ /a major/ /infant deaths/ /and/ /of/?

Question: _____

Answer: Sixty percent of all infant deaths are related to dirty water.

4./living/ /result/ /what/ /longer/ /is/ / of/ /people/ /one/?

Question: _____

Answer: One of the main reasons the world's population continues to grow is that people are living longer.

5./industrial/ /is/ /what/ /waste/ /products/ /caused/ /by/?

Question: _____

Answer: Industrial waste products can cause health problems and can damage the environment.