

I Read the text and answer the questions below.

1.

この部分に記載されている文章については、  
著作権上の問題から公開することができません。

【出典（一部改変）：<https://www.timeforkids.com/>】

Choose the word which best fills ①—⑩.

- |                |             |                |             |
|----------------|-------------|----------------|-------------|
| ① A. challenge | B. charge   | C. try         | D. cause    |
| ② A. speed     | B. people   | C. everyone    | D. care     |
| ③ A. Safely    | B. Once     | C. Twice       | D. Together |
| ④ A. preserved | B. reserved | C. different   | D. moved    |
| ⑤ A. solved    | B. avoided  | C. back        | D. ready    |
| ⑥ A. new       | B. hard     | C. working     | D. quoted   |
| ⑦ A. include   | B. express  | C. pressure    | D. read     |
| ⑧ A. sees      | B. based    | C. excludes    | D. certain  |
| ⑨ A. math      | B. state    | C. combination | D. view     |
| ⑩ A. invite    | B. impress  | C. encourage   | D. keep     |

2.

この部分に記載されている文章については、著作権上の問題から公開することができません。

【出典（一部改変）：<https://time.com/>】

Choose the most appropriate phrase to fill in ①.

- A. Wear masks at all times!
- B. Stop buying masks!
- C. Stock as many masks as possible!
- D. Help make high quality masks!
- E. Wash your hands with your masks!

II 日本語の意味に合うように、空欄を英語（それぞれ、3つの英単語）で埋めなさい。

1. SARS が消えていったのと同じような方法で新しいウイルスが消えていくことはありそうにない。  
( ) that the new virus will disappear the way SARS did.
2. 保健当局は人々に加工食品を避けるようにうながしているところだ。  
Health officials are ( ) avoid processed foods.

Ⅲ 下線部分を日本語に訳しなさい。

1.

この部分に記載されている文章については、著作権上の問題から公開することができません。

【出典（一部改変）：<http://www.bbc.com/>】

2.

この部分に記載されている文章については、著作権上の問題から公開することができません。

【出典（一部改変）：<https://www.entrepreneur.com/>】

IV Read the text and answer the questions below.

この部分に記載されている文章については、著作権上の問題から公開することができません。

この部分に記載されている文章については、著作権上の問題から公開することができません。

【出典（一部改変）：<http://washingtonpost.com/>】

1 Choose the word from A – D which is closest in meaning to ①—⑤.

- |               |              |                 |              |
|---------------|--------------|-----------------|--------------|
| ① A. strong   | B. frail     | C. ancient      | D. expensive |
| ② A. bias     | B. research  | C. exaggeration | D. honesty   |
| ③ A. endures  | B. decays    | C. reinforce    | D. aids      |
| ④ A. filtered | B. heated    | C. calmed       | D. stung     |
| ⑤ A. Blaming  | B. Inventing | C. Researching  | D. Copying   |

2 Choose the best answer for each question.

(1) Where does Philip Brune work?

- A. the Roman Maritime Concrete Study
- B. The University of Utah
- C. the journal *American Mineralogist*
- D. Dupont Pioneer

(2) When the author says, “It’s one thing to assemble the ingredients, another to know how to bake the cake,” what does he or she mean?

- A. Concrete needs to bake in an oven like cake.
- B. Knowing the elements that a substance includes is not the same as recreating it.
- C. Before scientists can recreate ancient concrete, they need to know what was in it.
- D. The proof of something is in the pudding.

(3) What was the result of the chemical reaction that gave Roman concrete its strength?

- A. tobermorite crystals
- B. phillipsite
- C. saltwater
- D. very high temperatures

(4) Why is Marie Jackson using more abundant volcanic rocks in her experiments?

- A. She knows that all volcanic rocks will produce aluminous tobermorite crystals.
- B. She can't travel to Italy.
- C. The volcanic ash the Romans used is rare and is insufficient for global needs.
- D. The seawater from San Francisco will create the chemical reaction.

(5) Which of the following is true according to the text?

- A. Aluminous tobermorite is created when phillipsite reacts to saltwater.
- B. Aluminous tobermorite crystals combined with phillipsite create saltwater.
- C. Aluminous tobermorite crystals combined with saltwater create phillipsite.
- D. Aluminous tobermorite crystals are found naturally in saltwater.