

Digging In

Comprehension

I. Answer the questions according to the text you have read.

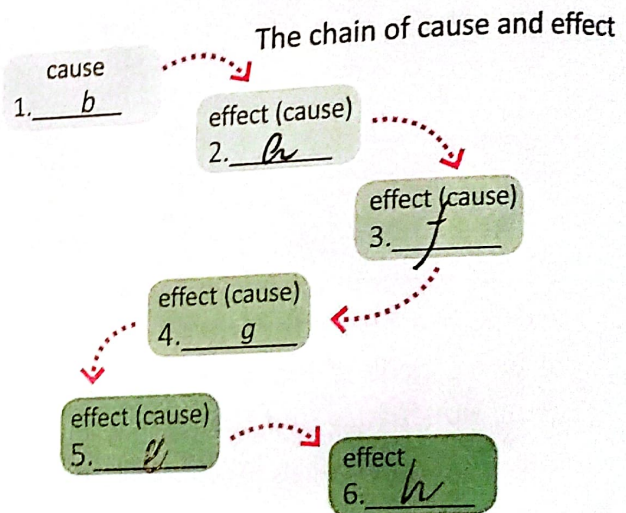
- Who is the "villain" in the atmosphere? *CO₂*
- Why will Manhattan streets eventually be deep under water, according to the author? *sea level is rising*
- There are some short paragraphs (e.g. Paras. 1, 4, and 7) in the text. What functions do they serve? *connect the paragraph*
- What do you think is the author's purpose in writing this passage? *appeal to people to protect the environment*

Reading Strategy

Understanding the chain of cause and effect

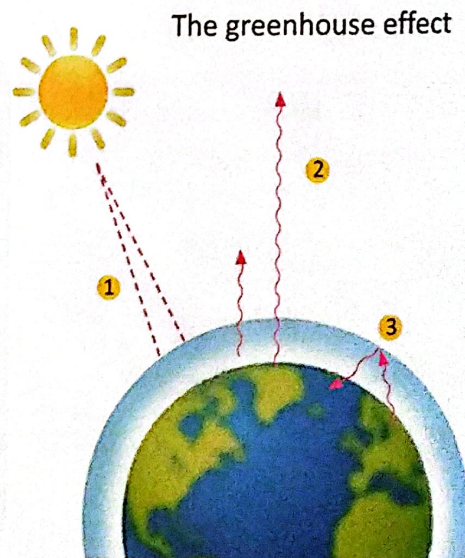
II. Tick what has been mentioned in the text, and then complete the chain of cause and effect.

- ☐ a. greenhouse effect
- ☒ b. carbon dioxide
- ☐ c. oxygen
- ☐ d. urban heat island effect
- ☒ e. the rising sea level
- ☒ f. increased temperature
- ☒ g. the melting of ice caps
- ☒ h. the flooding of low-lying areas
- ☐ i. changeable weather
- ☐ j. hydrogen



III. Complete the sentences corresponding to the diagram with one word for each blank.

- In the daytime, *sunlight* travels through miles of the *atmosphere* to warm the *earth's surface*.
- At night, *radiating heat* is sent into space, which cools the earth.
- Because of the existing carbon dioxide in the atmosphere, the *radiation* tends to be blocked, and _____ is lost at night.



1. robotic 机器人的 3. far side 背面 5. info about 关于...的信息 7. follow-up 跟踪
2. soft landing 软着陆 4. relay satellite 中继卫星 6. never 永远不
- III. Watch again. Choose from the items to complete the table. Note that there are three extra choices.

- A. understanding the moon's orbit
B. seeing the far side of the moon
C. launching Queqiao in space
D. landing Chang'e-3 on the moon
E. finding Chang'e, the goddess of the moon
- F. sending humans to the moon
G. studying samples from the moon
H. building a research station on the moon
I. discovering life on the moon

1. What is necessary for the success of this landing	A, C, F, I
2. What we are aiming for	B, D, G, E , F, H

- Conducting an interview on teenagers' curiosity about the moon
- Suppose you are reporters for a popular science magazine and you want to find out what fascinates teenagers about the moon. Prepare for your interview by following the steps below:

Step 1 Work with a partner. List some mysteries about the moon that make you curious.
e.g. *Is there water on the moon?*

Step 2 Think of the significance of knowing the answer(s) to the mysteries.
e.g. *Finding water on the moon would be good news for research teams who want to build future bases there because water is essential to human beings.*

Step 3 Brainstorm ways for us to find out the answer(s).
e.g. *We can probably bring soil samples from the moon to study.*

Step 4 Note down some questions you could ask in an interview.
e.g. *Would you like to share some of your ideas about the moon with me?*
Why are you so curious about this?
What do you think we can do to figure it out?

Step 5 Find a new partner and conduct the interview. Note down the answers that are relevant to your survey.

Useful Expressions for Talking about Possibility

- I guess ...
- I suppose ...
- Imagine ...
- may / might / can / could
- will possibly / probably
- It's possible / likely that ...