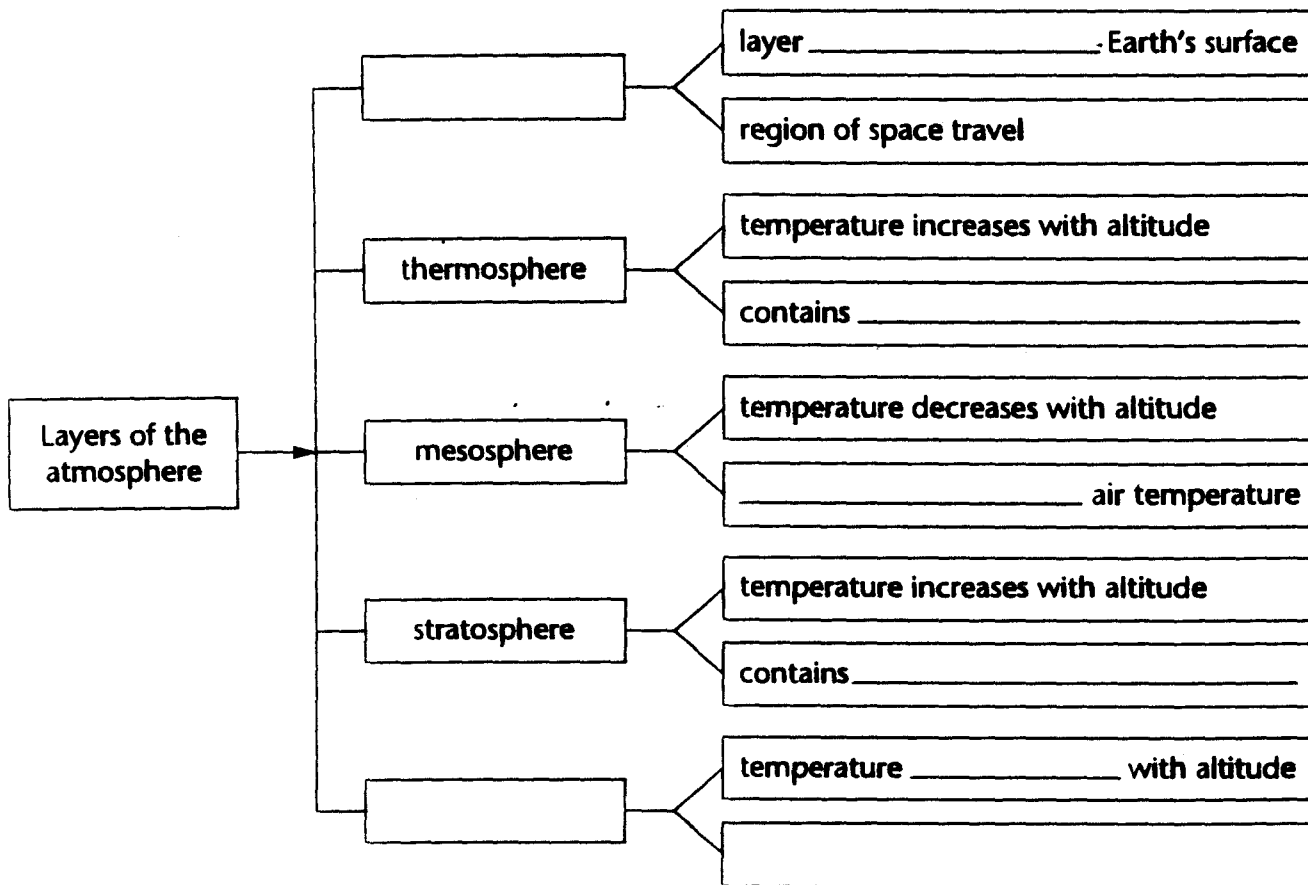


CHAPTER 2

Overview Atmosphere

Directions: Use the following terms to complete the concept map below:

weather occurs farthest from ozone layer ionosphere
 coldest troposphere decreases exosphere



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Directions: Use the information in the concept map to answer the following questions.

1. In which layer of atmosphere do thunderstorms, lightning, hurricanes, and tornadoes occur?

2. As the distance from Earth's surface increases, the air pressure decreases. What does this tell you about how the number of molecules in the atmosphere changes with altitude?

Chapter 2

Use with Section 1

REINFORCEMENT**• Earth's Atmosphere**

Use the chart to answer Questions 1–4.

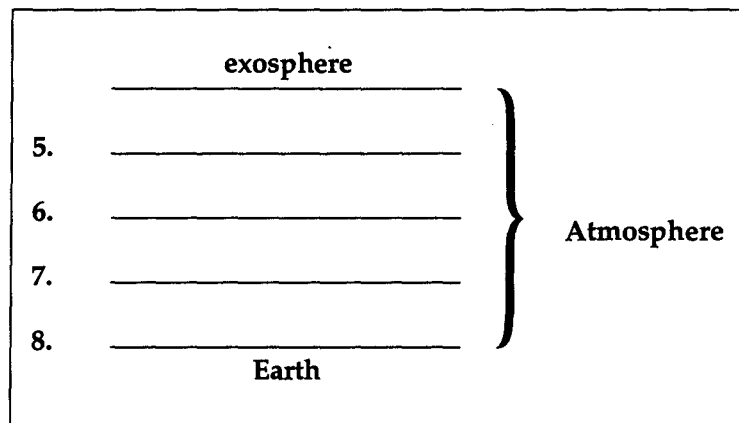
Gas	Percent by volume	Gas	Percent by volume
A	78.09	Helium	trace
B	20.95	Methane	trace
Argon	0.93	Krypton	trace
Carbon dioxide	0.03	Xenon	trace
C	0.0 to 4.0	Hydrogen	trace
Neon	trace	Ozone	trace

1. What information does the chart show? _____

2. A, B, and C represent three different gases. What is A? _____
How do you know? _____
3. What is B? _____ How do you know? _____

4. What is C? _____ How do you know? _____

The diagram below represents the layers of Earth's atmosphere. Write the names of the layers on the lines provided.



9. In which layer(s) does the temperature increase? _____

10. In which layer(s) does the temperature decrease? _____

11. Which layer contains electrically charged particles that reflect radio waves? _____
