

Directed Reading A

Section: What Is Climate?

CLIMATE VS. WEATHER

1. Weather conditions include
 - a. temperature and precipitation.
 - b. cloud shapes.
 - c. the time the sun rises.
 - d. the color of the sky.
2. The average weather condition in an area over a long period of time is _____.
3. What are the two main factors in climate?

LATITUDE

4. What does latitude measure?

5. Explain how latitude affects the temperatures at the poles.

6. During June and July, why is it summer in the Northern Hemisphere and winter in the Southern Hemisphere?

PREVAILING WINDS

7. Winds that blow mainly from one direction are _____.
8. When warm air rises, it _____. This causes it to lose the ability to hold water, creating _____.

Directed Reading A continued

9. Winds that travel across large bodies of water tend to be _____, while those that travel across land tend to be _____.
10. What may cause a land region to be dry even though it is near the ocean?

MOUNTAINS

11. The height of landforms, such as mountains, above sea level is called _____.
12. Why is the temperature at the top of a mountain cooler than that at the bottom of the mountain?

13. Explain why the land on the windward side of a mountain range is usually green and lush while the other side is usually drier.

