



knowledge quiz

Weather & Climate

Name _____

1. What is the difference between climate and weather?
 - A. There is no difference.
 - B. Climate refers to weather conditions for a region over a period of time.
 - C. Weather refers to climatic conditions for a region over a period of time.
 - D. Climate is the location of the weather conditions at a particular time.
2. Earth is not the only planet that exhibits weather conditions. What is required for a planet to support weather systems?
 - A. a surface
 - B. a moon
 - C. an atmosphere
 - D. existing life
3. If it is winter in the Northern Hemisphere, what season is it in the Southern Hemisphere?
 - A. spring
 - B. summer
 - C. fall
 - D. winter
4. Why is it common to see snow on very high mountains in the tropics?
 - A. The circulation of the air blows the cold upward.
 - B. It occasionally snows in the tropics.
 - C. The higher the altitude, the colder the temperature.
 - D. It is colder on the shady side of the mountains.
5. How does atmospheric circulation influence climate?
 - A. by producing winds that distribute heat and moisture
 - B. by producing ocean currents that cause tornadoes
 - C. by producing tornadoes that cause ocean currents
 - D. by distributing air that causes wind



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6. From what do clouds form?
 - A. moisture released from wind
 - B. air pollution
 - C. water that has evaporated from the earth
 - D. moisture released from rivers

7. What happens to the water vapor in the air when the air temperature cools?
 - A. It evaporates.
 - B. Water droplets form.
 - C. It dissipates into the air.
 - D. It turns into a gas.

8. Forecasters use clouds to help predict the weather. Which of the following may be a reason for this?
 - A. Certain cloud types appear after storms.
 - B. There is no other way to predict weather.
 - C. Certain cloud types often appear before storms.
 - D. Certain storms come from certain clouds.

9. What powerful storm can kill more people and destroy more property than any other natural disaster?
 - A. thunderstorm
 - B. earthquake
 - C. lightning
 - D. hurricane

10. What do scientists call the circulation of water through the Earth's crust, oceans, and atmosphere?
 - A. condensation
 - B. evaporation
 - C. the water cycle
 - D. precipitation