

Name: _____

Date: _____

Factors which influence Climate

Latitude is probably the most important factor in determining the climate of a place.

Read the following and state whether each statement is true or false.

1. The Sun's rays are more directly overhead at the equator and less directly overhead at the poles _____.
2. The Sun's rays are more concentrated at the Equator, so the temperatures are higher. _____.
3. Latitude determines how much heat a place receives from the Sun. _____
4. The Sun's rays cover a wider area at the poles. _____
5. Temperature increases as you move from 0° latitude to 90° latitude. _____
6. A place at 85°N latitude would have much lower temperatures than a place 10°N _____

Factors affecting the climate of the Caribbean.

Match each factor from the box with the correct sentence. You may use a factor more than once.

Latitude	prevailing wind	distance from sea	altitude
----------	-----------------	-------------------	----------

7. Places high up in mountainous regions experience lower temperatures than places at sea level. _____
8. Places near the Equator are warmer and wetter than places further away. _____
9. Places near the coast are warmer at night and cooler in the day than places further inland. _____
10. Places near the Equator have fairly even temperatures all year round. _____
11. Lowlands are hotter than mountain peaks. _____
12. Air currents from across the ocean bring rain. _____
13. The windward side of mountains receives more rainfall than the leeward side. _____
14. Which two factors do you think are most important in affecting the climate of the Caribbean? Explain why.

