

Chapter 2 Section 1: Seasons, Weather and Climate

Name _____

Class Period ____ Date Due _____

Read pages 63-73 then answer the following questions.

1. What is the difference between weather and climate. Be specific.
2. According to the text, what are three factors that influence climate?
3. What is the difference between rotation and revolution? Be specific.
4. June 21 and December 21 of each year are known as _____. On these days the sun appears directly overhead at the _____ and the _____.
5. Two times each year, during spring and fall, are days known as _____. On these days the sun, at noon, appears directly overhead at the _____.
6. The _____ zones, or _____-latitude zones, reach $23\frac{1}{2}^{\circ}$ north and south of the _____. Most places in these zones are _____ year-round.
7. The two _____ zones are in the _____ latitudes. They extend from $23\frac{1}{2}^{\circ}$ to $66\frac{1}{2}^{\circ}$ both north and south of the equator. The temperate zones are generally _____ than the tropics and have a wide range of _____.
8. The _____ zones are in the _____ latitudes, from $66\frac{1}{2}^{\circ}$ north and south extending to the poles. Because sunlight strikes here very _____, climates are always cold.
9. What force distributes heat or cold over the surface of the earth?
10. Winds move from areas of _____ to _____ pressure.
11. What is the Coriolis effect and what causes it?
12. Define the following terms:
 - Atmospheric pressure-
 - Currents-
 - Humidity-
 - Rain Shadow-
 - Front-



13. What is the difference between humidity and precipitation?

14. List and define the three types of precipitation.

1.

2.

3.

15. What is the difference between the windward and leeward side of a mountain? Be specific.

16. “_____ and _____ are the major factors affecting weather and climate.”

17. How do large bodies of water, such as oceans and large lakes, affect the surrounding climates?

18. Explain how the British Isles has a marine climate, which is fairly warm, although they are located relatively far north.

19. What kind of temperatures are typical of continental climates?

20. Summarize the main difference between marine and continental climates.

21. Explain how Mount Kilimanjaro, a mountain located almost on the Equator in Tanzania, Africa, has snow year-round even though it is located near the Equator.

22. List the six broad types of climate regions.

1.

4.

2.

5.

3.

6.

23. How has human activity affected some climates? Give an example.