

Name \_\_\_\_\_

### Concept 1: What determines Climate Review

1. What four factors determine Climate?

2. Define Climate:

3. How is Climate different from weather?

For questions 4- 8 decide whether climate or weather is being described.

4. On November 9th, 2015, 85 percent of the United States had temperatures below freezing.

5. Global average temperatures have increased by 1 degree in the past century.

6. California is in its third year of its worst recorded drought.

7. Buffalo, New York got more than 6 feet of snow between November 18 and the 20th in 2014.

8. August, September, and October 2015 all had record highs for temperature.

9. What does Latitude determine?

10. Describe why the poles are colder than the equator.

11. What would happen to Chicago's Climate if its latitude moved from 40° to 10°.

12. What would happen to Chicago's Climate if its latitude moved from 40° to 80°?

13. Why is it winter in Australia when its Summer in the United States?

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14. What do Prevailing Winds determine?

15. What temperature and moisture qualities of wind would blow if the prevailing wind formed over warm ocean water?

16. What temperature and moisture qualities of wind would blow if the prevailing wind formed over polar land?

17. What does geography determine?

18. As elevation increases, \_\_\_\_\_ generally decreases.

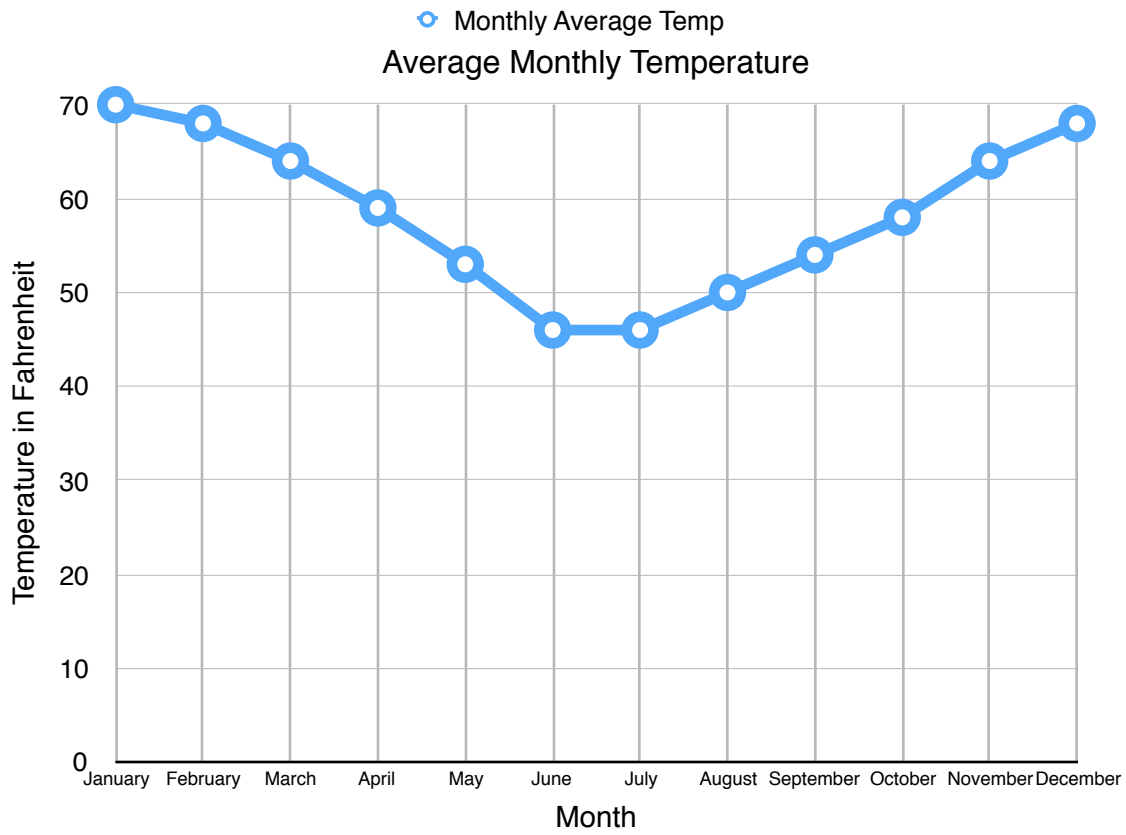
19. Mount Kilimanjaro's latitude is close to the equator but yet it is covered in snow year round why is this?

20. Why can one side of a mountain range be lush with vegetation and the other side covered in desert.

21. How do ocean currents affect climates?

22. Why are temperatures milder in Iceland than in Greenland.

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23. Based on the graph above, What month was the warmest? What month was the coldest?

24. Based on the Graph above what hemisphere is this location in? How do you know?