

## Chapter 3, Section 1

Answer the following questions in complete sentences.

- 1) How are weather and climate different?
- 2) Identify the variables that determined the climate of a region?
- 3) Define latitude.
- 4) Explain the relationship between latitude and climate.
- 5) Why do different parts of the Earth receive different amounts of sunlight?
- 6) Why do we have different seasons?
- 7) Explain the relationship between prevailing winds and the amount of precipitation over time.
- 8) How is the amount of moisture in prevailing wind influenced?
- 9) Identify the variables that affect the climate of a mountain.
- 10) How is energy transfer influenced by mountain elevation?
- 11) Distinguish between windward side and Leeward side of a mountain.
- 12) How does a lake or ocean water control land temperature around it?
- 13) Why does it snow so much in the Great Lakes region?
- 14) Define a surface current. State its function.
- 15) How does the Gulf Stream work?
- 16) Why does Iceland tend to have milder weather than Greenland?
- 17) Why do frogs and polar bears live in different regions of the world?
- 18) Why does each climate zone have various climates?
- 19) What do we call the regions of a zone?
- 20) What factors distinguish one biome from another biome?