

Chapter 16

Text Pages 452–457

STUDY GUIDE

● What Is Climate?

Determine whether each statement below is true or false. Write “true” in the blank at the left if the statement is true. For each false statement, write a word or phrase to replace the italicized word or phrase to make the statement true.

- _____ 1. *Tropical* regions receive the most solar radiation.
- _____ 2. Water heats up and cools down *faster* than land.
- _____ 3. Winds blowing from the sea contain *more* moisture than winds blowing from the land.
- _____ 4. Temperatures in a large city are generally *lower* than temperatures in the surrounding rural areas.
- _____ 5. There are *more* air molecules to absorb heat emitted by Earth’s surface at higher elevations than at sea level.
- _____ 6. Deserts are common on the side of a mountain *facing* the wind.
- _____ 7. Year-round temperatures in *temperate zones* are always hot, except at high elevations.
- _____ 8. As air *rises*, it cools down.

Answer the following questions on the lines provided.

9. What are three weather conditions that are considered in determining a region’s climate?

10. What are four factors that affect the climate of a region? _____
