Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Weather Factor Review Guide**

1. Draw and label a diagram showing what happens to the sun’s energy in the atmosphere and at Earth’s surface.
2. Explain in words what happens to the sun’s energy in the atmosphere and at Earth’s surface.
3. Identify and give examples for three ways in which heat is transferred.
4. Explain how most heat is transferred in the troposphere.
5. Draw and label a diagram of a convection current. Explain how a convection current forms.
6. a. Which heats up faster soil or water?
7. Which cools down faster, soil or water?
8. Which would heat up faster on a sunny day at an ocean beach, the sand or the water? Explain your answer.