

THE **Big** IDEA

Integrating Earth Science

How are changes of state part of the water cycle?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. Rain, fog, and snow are examples of precipitation.
- _____ 2. The oceans contain about 70% of the water on Earth.
- _____ 3. Water particles fall to the Earth's surface after their temperature increases.
- _____ 4. Water in a puddle enters the atmosphere when it evaporates.
- _____ 5. Clouds are made up of tiny droplets or ice crystals.
- _____ 6. Water vapor condenses into a liquid when it gains energy.
- _____ 7. The Sun's energy does not play an important role in the water cycle.
- _____ 8. Precipitation falls to the Earth's surface because of the force of electricity.

Skill Challenge

Skill: *interpreting a diagram, analyzing*

Study the diagram. Then, answer the questions that follow.

- 1. What step of the water cycle is shown in A? _____
- 2. What step is shown in B? _____
- 3. What step is shown in C? _____
- 4. Which part of the diagram shows what happens when the energy of water molecules is increased? _____
- 5. Where does the energy for that step come from? _____
- 6. Which part of the diagram shows what happens when water molecules lose energy? _____
- 7. Which part shows what happens after water droplets increase in size? _____

