

A Trip Through Geologic Time ▪ *Review and Reinforce*

Early Earth

Understanding Main Ideas

Put the processes that occurred in early Earth's history in the correct sequence by writing their letters in the correct order in the blanks.

- A. Volcanic eruptions release carbon dioxide into the atmosphere.
- B. Early organisms release oxygen into the air.
- C. Oceans form on Earth's surface.
- D. Hydrogen and helium are captured by gravity to form an atmosphere.
- E. A dense, iron core forms at Earth's center.
- F. Earth is a ball of dust, rock, and ice in space.

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____

Answer the following questions on a separate sheet of paper.

- 7. What were the earliest life forms on Earth like?
- 8. What hypothesis explains why Earth and the moon are about the same age?
- 9. How did photosynthesis lead to the development of animals living on land?
- 10. How have scientists used radioactive dating to show that Earth is about 4.6 billion years old?

Building Vocabulary

Fill in the blank to complete each statement.

- 11. A _____ is a ball of dust and ice that orbits the sun.
- 12. The process in which the continents move very slowly over Earth's surface because of forces inside Earth is called _____.