

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 _____.