

**Earth's History** ▪ 8.5 Review and Reinforce

## The Geologic Time Scale

### Understanding Main Ideas

*Put the following items in order from oldest (1) to most recent (4) by writing a number in the blank beside each.*

- \_\_\_\_\_ 1. Mesozoic Era
- \_\_\_\_\_ 2. Precambrian Time
- \_\_\_\_\_ 3. Cenozoic Era
- \_\_\_\_\_ 4. Paleozoic Era

*Rewrite the following sentence to make it true.*

5. Geologists subdivide periods into eras.

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*Answer the following questions on a separate sheet of paper.*

- 6. Why is the geologic time scale used to show Earth's history?
- 7. What was the Cambrian Explosion?
- 8. Describe the probable causes of two mass extinctions.
- 9. What animal group was most successful during the Mesozoic Era?
- 10. What created an opportunity for mammals in the Cenozoic Era?
- 11. Describe what mammals faced in the Quaternary Period.

### Building Vocabulary

*Fill in the blank to complete each statement.*

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|-------------------------------|--|
| _____ 12. reptile             | a. animal that feeds its young with milk                       |
| _____ 13. amphibian           | b. long units of time  |
| _____ 14. geologic time scale | c. animal with strong legs and eggs with thick shells          |
|                               | d. animal that evolved from lungfish                           |
| _____ 15. mammal              | e. animal with a backbone                                      |
| _____ 16. vertebrate          | f. record of life forms and geologic events in Earth's history |
| _____ 17. eras                |  |