Try this puzzle after you finish Chapter 9.
Solve each of the clues below, and write your answer in the spaces provided. Then complete the quotation by Mary Leakey on the next page by writing the letter that corresponds to each number in the empty boxes.

1. large mammals evolved during this era.
   C E N O Z O I C

2. scientist who uses fossils to reconstruct what happened in Earth’s history
   P A L E O N T O L O G I S T

3. measuring the ratio of unstable to stable atoms in a rock sample to estimate the age of the fossil it contains
   A B S O L U T E D A T I N G

4. the first true cells
   P R O K A R Y O T E S

5. cells that contain a nucleus
   E U K A R Y O T E S

6. scientist who discovered fossilized footprints in Tanzania
   M A R Y L E A K E Y

7. hominid that lived in Germany 230,000 years ago
   N E A N D E R T H A L

8. an imprint of a living thing preserved in rock
   F O S S I L

9. Lucy is the most complete example of a(n) ______ ever found.
   A U S T R A L O P I T H E C I N E

10. When a species dies out completely, it becomes ________.
    E X T I N C T

11. the theory that explains how the continents move
    P L A T E T E C T O N I C S
12. a group of mammals with binocular vision and opposable thumbs

PRIMATE

13. Humans and their humanlike ancestors are called _________.

HOMINIDS

14. organisms that don’t need oxygen to survive

ANAEROBIC

15. a gas that absorbs ultraviolet radiation

OZONE

16. the single landmass that existed about 245 million years ago

PANGAEA

17. The first birds appeared during this era.

MESOZOIC

18. During this era, the first land-dwelling organisms appeared.

PALEozoic

19. the process by which one type of rock changes into another type of rock

ROCK CYCLE

20. the time it takes for half of the unstable atoms in a sample to decay

HALF - LIFE

— Mary Leakey, 1994