Skills Worksheet

## **Directed Reading A**

## Section: Inside the Earth

1. The Earth is composed of several \_\_\_\_\_\_.

## THE COMPOSITION OF THE EARTH

- 2. A substance composed of two or more elements is a(n)
  - c. compound. a. mix.
  - d. complex. b. amalgam.
- 3. Why do less dense compounds make up Earth's crust while the densest compounds make up the core?
- 4. List the three layers of the Earth, based on their chemical composition.
- 5. What three elements make up most of the Earth's crust?
- 6. Oceanic crust is denser than the continental crust because it contains more of which three elements?

7. The mantle is composed of more of the element \_\_\_\_\_\_

than the crust is.

8. Why do scientists look to the ocean floor to research the mantle?

Original content Copyright © by Holt, Rinehart and Winston. Additions and changes to the original content are the responsibility of the instructor.

14. the liquid layer of the core	e. inner core
15. the solid layer of the core	
16. the strong, lower part of the mantle	
TECTONIC PLATES	
<ul> <li> 17. Large pieces of the lithosphere that move are called <ul> <li>a. mantle pieces.</li> <li>b. crust pieces.</li> <li>c. tectonic plates.</li> <li>d. puzzle pieces.</li> </ul> </li> <li>18. Why are tectonic plates like the pieces of a jigsa</li> </ul>	
19. What are the two kinds of crust that a tectonic pl	ate may contain?
Original content Copyright © by Holt, Rinehart and Winston. Additions and changes to the c Holt Science and Technology 2	original content are the responsibility of the instructor. Plate Tectonics

THE PHYSICAL STRUCTURE OF THE EARTH

10. What element makes up most of the Earth's core?

11. How much of the Earth's mass is made up by the core?

Match the correct description with the correct term. Write the letter in the space provided.

\_\_\_\_\_Date\_\_\_\_\_

9. The mantle has less aluminum and less \_\_\_\_\_\_ than the

- \_\_\_\_\_ 12. the outermost, rigid layer of the Earth
- \_\_\_\_\_ 13. a layer of slowly flowing rock in the mantle
- . . . .. ... . .

Directed Reading A *continued* 

Name

crust does.

- a. asthenosphere
- b. lithosphere
- c. mesosphere
- d. outer core

Name	Class	Date
Directed Reading A cont	inued	
20. List three ways in which similar to ice cubes fill	-	ng on the asthenosphere are
MAPPING THE EARTH'S	INTERIOR	
21. What do scienti a. sea-floor spre b. magnetic rev c. global positio d. seismic wave	ersals oning system	interior?
c. vibrations fro		
23. Will a seismic wave traveling	6 6	0