

Lesson Quiz A

Chapter 2.2 Review

LESSON 2

Earth's Interior

Matching

Directions: On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

- | | |
|---|-------------------------|
| _____ 1. made of iron crystals | A. asthenosphere |
| _____ 2. the thinnest layer of Earth | B. crust |
| _____ 3. includes the crust and rigid, upper mantle | C. inner core |
| _____ 4. flows like a soft plastic | D. lithosphere |
| _____ 5. made of liquid metal | E. mantle |
| _____ 6. the thickest layer of Earth | F. outer core |

True or False

Directions: On the line before each statement, write T if the statement is true or F if the statement is false.

- _____ 7. Pressure and temperature decrease with depth below Earth's surface.
- _____ 8. A compass needle points north because of Earth's magnetosphere.
- _____ 9. By studying earthquake waves, scientists have discovered that Earth's core has two parts.
- _____ 10. Earth's geomagnetism protects the planet from dangerous cosmic rays and charged particles from the Sun.

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Key Concept Builder 

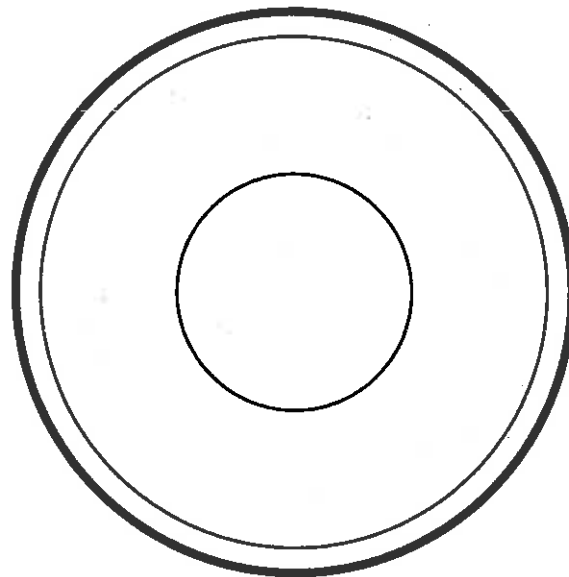
LESSON 2

Earth's Interior

Key Concept What are the interior layers of Earth?

Directions: Use the diagram to answer each question.

The diagram below represents a hard-boiled egg that has been sliced in half. The circle in the middle is the yolk. A hard-boiled egg is considered to be a good model for the structure of Earth's layers.



1. In this model, what do the shell and membrane correspond to in Earth's structure?

2. Which part of the egg is comparable to Earth's core? _____

3. How does the model differ from Earth's core in terms of solidity?

4. How does the composition of Earth's core differ from the composition of the higher layers?

Key Concept Builder 

LESSON 2

Earth's Interior

Key Concept What are the interior layers of Earth?

Directions: Write the layers of Earth in order from the inside to the outside.

asthenosphere

inner core

lithosphere

lower mantle

outer core

upper mantle

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Directions: Work with a partner. Suppose you could get a sample of material from each of Earth's layers. Which layer did each of these samples come from?

7. hot liquid iron _____

8. cool solid rock _____

9. hot solid rock _____

10. hot melted rock _____

11. very hot solid iron _____

12. hottest solid rock _____

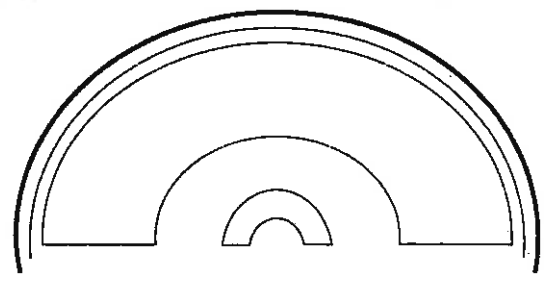
Content Practice A

LESSON 2

Earth's Interior

Directions: The diagram below represents a cross section of Earth. Draw a line from each layer to the correct part of the diagram.

- 1. upper mantle
- 2. crust
- 3. inner core
- 4. asthenosphere
- 5. uppermost mantle
- 6. outer core
- 7. lower mantle



Directions: Put a check mark on the line before each item that helped scientists learn about the inside of Earth.

- 8. global warming
- 9. samples from deep wells
- 10. temperatures in deep mines
- 11. heat at the equator
- 12. waves made by earthquakes
- 13. energy in hurricanes

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