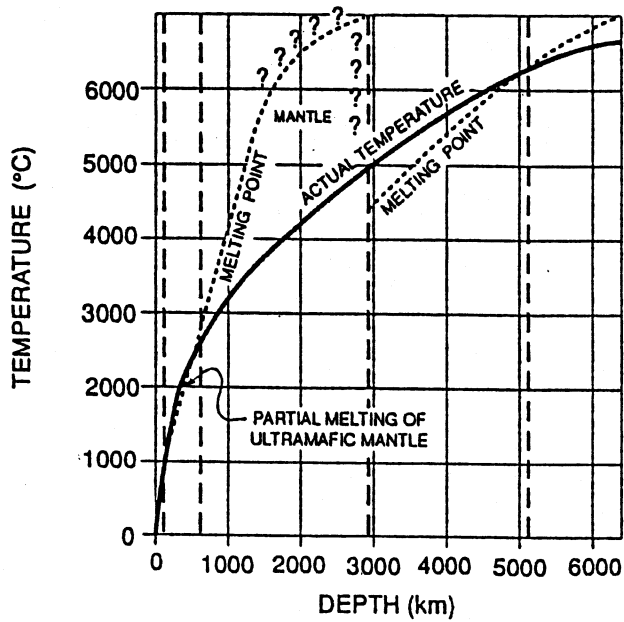
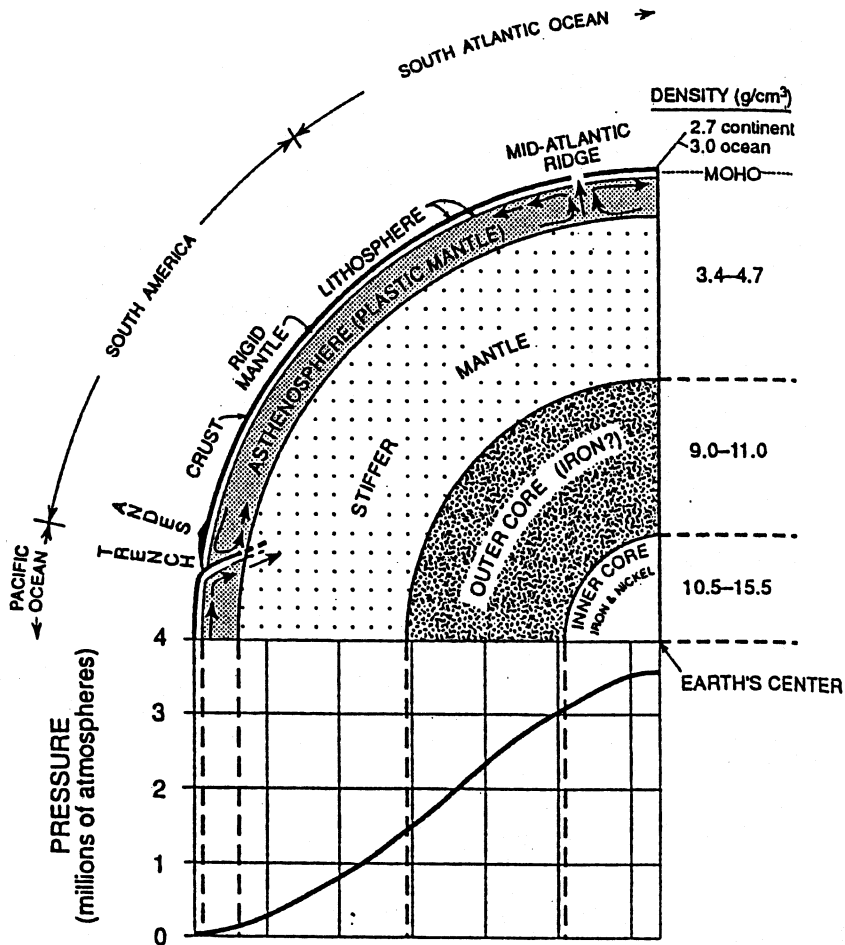


# Inferred Properties of Earth's Interior



Name \_\_\_\_\_ Date \_\_\_\_\_ Class Period \_\_\_\_\_

## Properties of the Earth's Interior

You will need to use the Reference Table on page 10, *Inferred Properties of Earth's Interior*, to answer the questions below.

1. Name the boundary that separates the crust from the mantle \_\_\_\_\_
2. What is another name for the plastic mantle? \_\_\_\_\_
3. What metal do scientists think composes the outer core? \_\_\_\_\_
4. What are the two most common elements in the inner core? \_\_\_\_\_
5. What is the density of the inner core? \_\_\_\_\_
6. Which zone of the Earth is least dense? \_\_\_\_\_
7. What is the pressure in the earth's center? \_\_\_\_\_
8. What is the temperature in the earth's center? \_\_\_\_\_
9. What is the pressure at a depth of 3,000 km? \_\_\_\_\_
10. What is the temperature at a depth of 3,000 km? \_\_\_\_\_
11. As depth within the Earth's interior increases, the density \_\_\_\_\_
12. As depth within the Earth's interior increases, the temperature \_\_\_\_\_
13. As depth within the Earth's interior increases, the pressure \_\_\_\_\_
14. The rock between 2,900 km and 5,200 km below the Earth's surface is inferred to be rich in \_\_\_\_\_
15. (a) In what zone of the Earth is the actual temperature above the melting temperature of rock? \_\_\_\_\_  
(b) What is the physical state (phase) of rock in this zone? \_\_\_\_\_