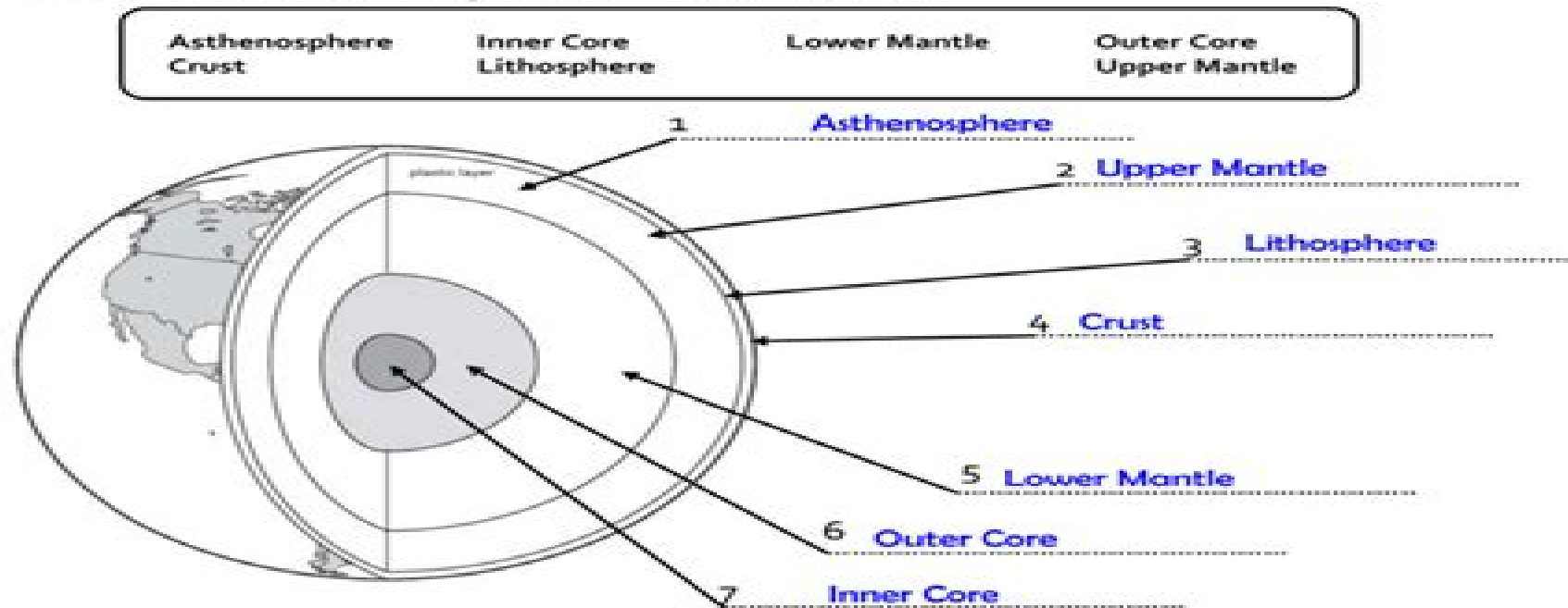


Unit STUDY GUIDE-- "Earth's Layers & Plate Tectonics"

Section 1: Earth's Layers

Directions: Label the diagram with the terms provided.



Directions: Answer the following questions in the spaces provided.

8. What part of the Earth varies in thickness? **Crust**
9. What is the part of the Earth that the lithospheric plates float on? **Asthenosphere**
10. What is the part of the Earth that includes the crust and the upper mantle and is split into plates?
lithosphere
11. Write the layers of the earth in order based on the following characteristics:
 - a. surface to center- **crust, mantle, outer core, inner core**
 - b. coolest to hottest- **crust, mantle, outer core, inner core**
 - c. thinnest to thickest- **crust, inner core, outer core, mantle**
 - d. least dense to most dense- **crust, mantle, outer core, inner core**
12. For each layer, write the state of matter (*solid, liquid, or solid and liquid*).
 - a. crust- **solid**
 - b. mantle- **liquid & solid**
 - c. outer core- **liquid**
 - d. inner core- **solid**
13. List two types of crust. **Oceanic and continental**

Lab Science Plate Tectonics Study Guide

Marco Cascella



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