

Name: \_\_\_\_\_

## Layers of the Earth

Our planet Earth is constructed of several layers.

**Directions:** Match the layers to their definitions.

|                      |       |  |
|----------------------|-------|--|
| <b>lithosphere</b>   | _____ | The innermost layer, extremely hot and solid, composed of mostly iron and nickel.  |
| <b>outer core</b>    | _____ | The earth's outermost and thinnest layer, hard and rigid, and only a few miles thick under the oceans and averaging 20 miles thick under the continents.               |
| <b>crust</b>         | _____ | Hot, malleable semi-solid in the upper mantle on which the plates of the lithosphere float.  |
| <b>mantle</b>        | _____ | Made up of the crust and a tiny bit of the upper mantle, this layer is divided up into constantly moving plates of solid rock that hold the continents and the oceans. |
| <b>asthenosphere</b> | _____ | A denser layer subdivided into upper and lower regions made of hot, semi-solid rock located directly below the crust and about 1,800 miles thick.                      |
| <b>inner core</b>    | _____ | The only liquid layer of the earth, this layer is made up mostly of iron and nickel. It is located about 2000 miles below the surface.                                 |

Label the layers of the earth below.

