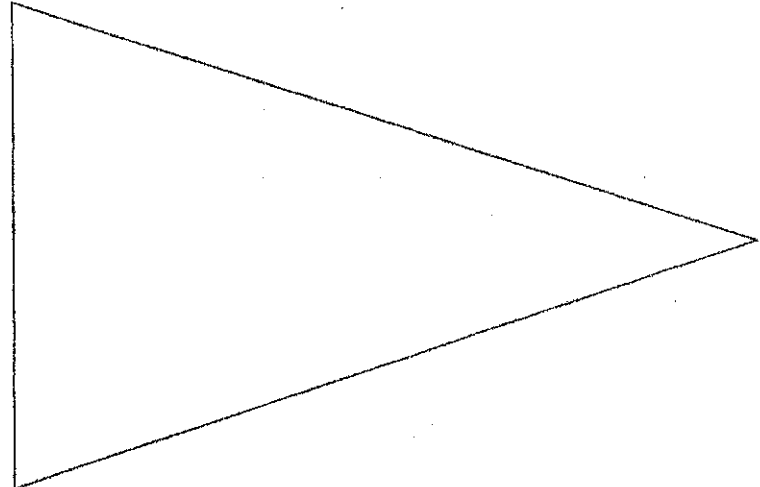


Why do the materials stack in that order?

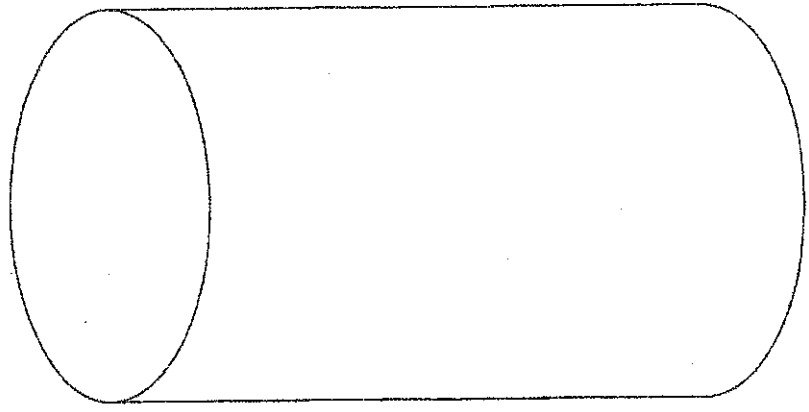
Why is the Earth made of different layers?

Describe the connection between last week's (density) and this week's science (layers of the Earth)!

Earth's Layers



Earth's Density Column



asthenosphere	lithosphere	inner core	outer core
convection current	mantle	density	crust

Word Bank:

**Earth Layers**

**Across**

- The outermost layer of the earth that we stand on
- The hottest layer of the earth in the very middle, that is solid metal and creates gravity
- Density gets higher the farther into the earth
- The hard, broken layer of the mantle that carries all the continents and sits on the asthenosphere
- The largest layer of the earth closest to the surface other than the crust that is made of liquid molten iron and metal
- The layer closest to the inner core made of liquid iron
- The soft layer of the mantle that the lithosphere rests on, convection currents run through it

**Down**

- The transfer of heat to the surface of the earth from the inner core, causing the tectonic plates to shift

Name: \_\_\_\_\_ Period: \_\_\_\_\_ #: \_\_\_\_\_