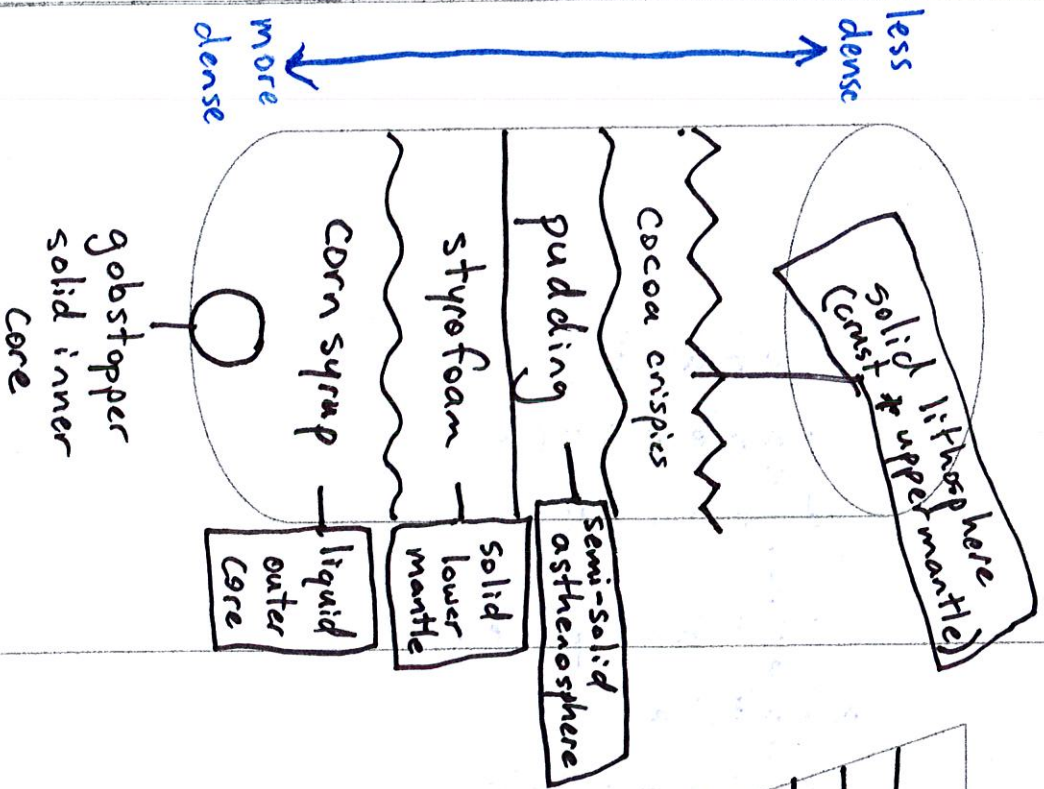
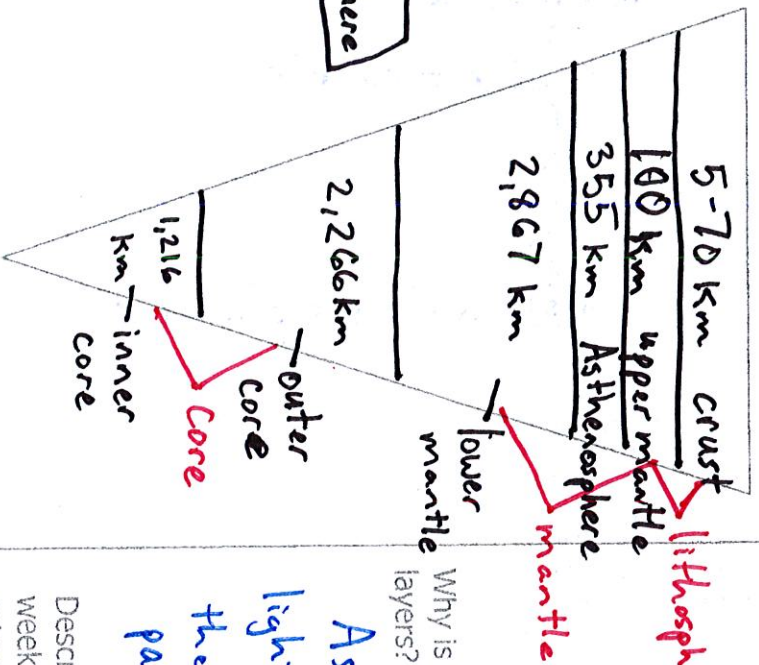


### Earth's Density Column



### Earth's Layers



Why do the materials stack in that order?  
Because of the

density of the substances

Why is the Earth made of different layers?

As the Earth formed, lighter parts floated to the surface and heavy parts sank to the middle.

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

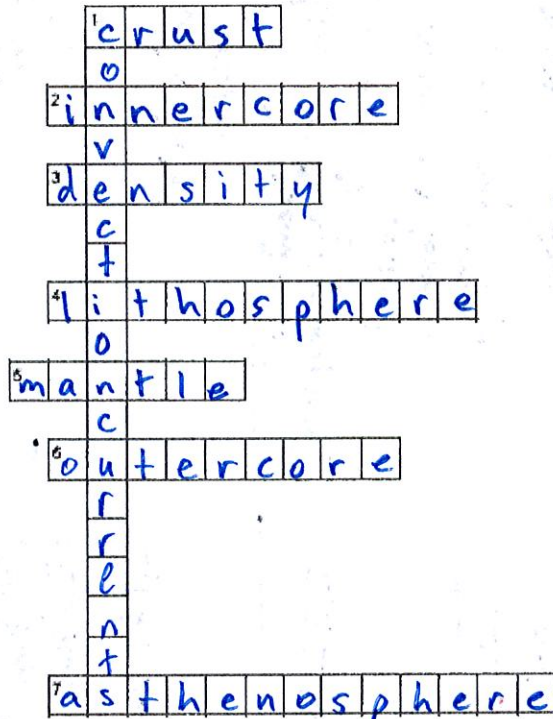
Density determines the layers' placement in the Earth.

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

Period: \_\_\_\_\_

#: \_\_\_\_\_

### Earth Layers



Across

Down

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

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

Word Bank:

asthenosphere	lithosphere	inner core	outer core
convection currents	mantle	density	crust