

Layers of the Earth: Milky Way

Lab Write-up

Name _____

Date _____

Procedure:

1. Place a Milky Way candy bar on a paper napkin.

2. Cut down the middle of the candy bar.

- The chocolate on the top of the candy bar represents the crust of the Earth. This is the thinnest layer. It is made up of soil and rocks. The land we walk on and the land under the oceans are part of the crust.

- The caramel layer represents the mantle. It is made up of hot molten rock. This molten rock is what erupts from volcanoes in the crust.

- Notice the light brown layer and tell them it represents the outer core. It is made up of liquid iron.

- The bottom layer of chocolate is the inner core of the Earth. This layer is made of solid iron and is the hottest part of the Earth. The temperature of the inner core is almost as hot as the sun.

3. Don't forget to eat the layers of the Earth!

Please answer the following questions using complete sentences.

1. Draw and label the layers of the earth using the following terms: crust, mantle, inner core and outer core.

Please fill in the layers with the following colors:

Crust= brown

Mantle= yellow

Outer core=orange

Inner core=red

3. Compare your above drawing with the Milky Way model. Illustrate and label the layers of the Milky Way candy bar that represent the different layers of the earth.

4. Name one advantage and one disadvantage of the Milky Way model.

5. Describe the composition (make-up, state of matter) of each layer of the earth:

Crust:

Mantle:

Outer Core:

Inner Core: