

Name \_\_\_\_\_ Period \_\_\_\_\_

### Model Earth Poster

You have the following substances and you are going to place them all in a container. Imagine that the nickel, iron and rocks are liquids. Think about how these substances would separate when placed in the container then draw and color a picture of what it would look like. Make a key and use a different color for each substance.

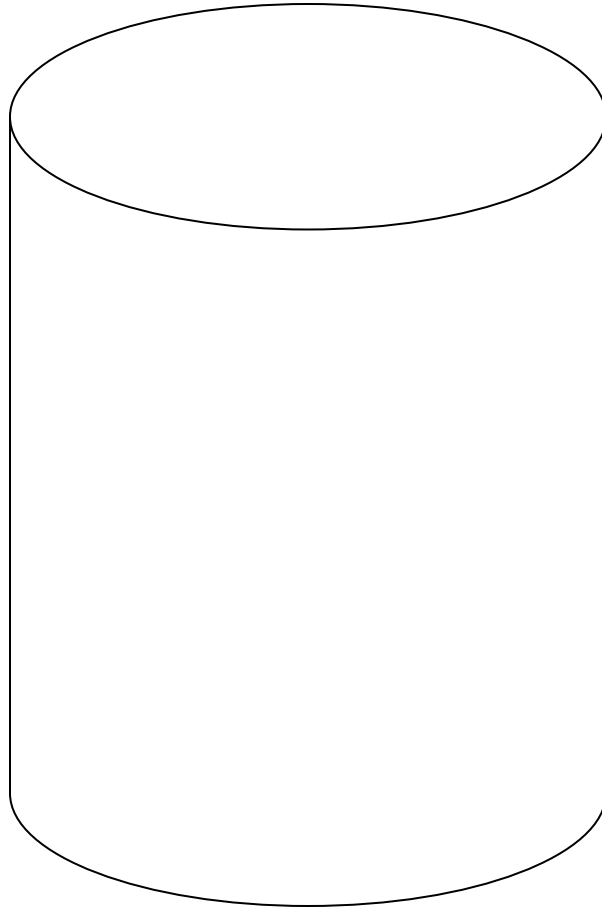
Water (density =  $1.0 \text{ g/cm}^3$ )

Nickel ( $d = 8.9$ )

Granite ( $d = 3$ )

Air ( $d = .001$ )

Iron ( $d = 7.9$ )



Key:


Instructions for model on the back of this paper:

1. Draw a model of the structure of the earth. Your model must include the following which need to be labeled, and in proper proportions-the right thickness. Use the Layers of the Earth Information sheet to help you:

- Atmosphere (extends about 800 miles above the earth)
- Crust
- Mantle
- Inner Core
- Outer Core

2. Description of each layer. Summarize the information in the reading packet for each layer.

3. You will be graded on neatness as well as completeness.