



Layers of the Earth

Materials:

- Geometric compass or ruler
- Paper fastener
- Glue stick
- Marker
- Pencil
- 6 pieces of different colored construction paper
- *Optional:* white paper

Instructions:

1. Select 6 different colors of construction paper, one for each earth layer. Measure and cut out 1 circle in each color according to the sizes listed in the chart on the following page.
2. Cut and remove about $\frac{1}{4}$ of the ocean layer so that the other Earth layers will be visible.
3. Glue the continents to the ocean layer.
4. Layer the circles in the same order of the table above, starting with crust on the bottom.
5. Poke the paper fastener through each layer, and bend the ends to secure them.
6. Label the name of each layer and its depth using the chart below. If a dark color was chosen for any of the layers, a slip of white paper can be glued on to make the labels more visible.



Layers of the Earth

Earth Layer	Paper Circle Measurement
Crust	3 $\frac{3}{4}$ " RADIUS
Mantle	3 $\frac{1}{4}$ " RADIUS
Outer Core	2 $\frac{1}{4}$ " RADIUS
Inner Core	1 $\frac{1}{4}$ " RADIUS
Oceans (Blue paper)	3 $\frac{3}{4}$ " RADIUS

Earth Layer	Depth
Crust	25 miles
Mantle	1,800 miles
Outer Core	1,387 miles
Inner Core	778 miles