



Layers of the Earth

Materials:

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

Note: Older students may benefit from the experience of measuring with a compass, but traceable options are provided as an easier alternative.

1. Measure the layers using different colors of construction paper. The measurements represent the radius, or half the distance across the center of the circle. Measure and draw the circles.

Earth Layer	Measurements
Crust	3 ¾"
Mantle	3 ¼"
Outer Core	2 ¼"
Inner Core	1 ¼"
Oceans (blue recommended)	3 ¾"
Continents (green recommended)	Trace the ones provided <u>or</u> make your own

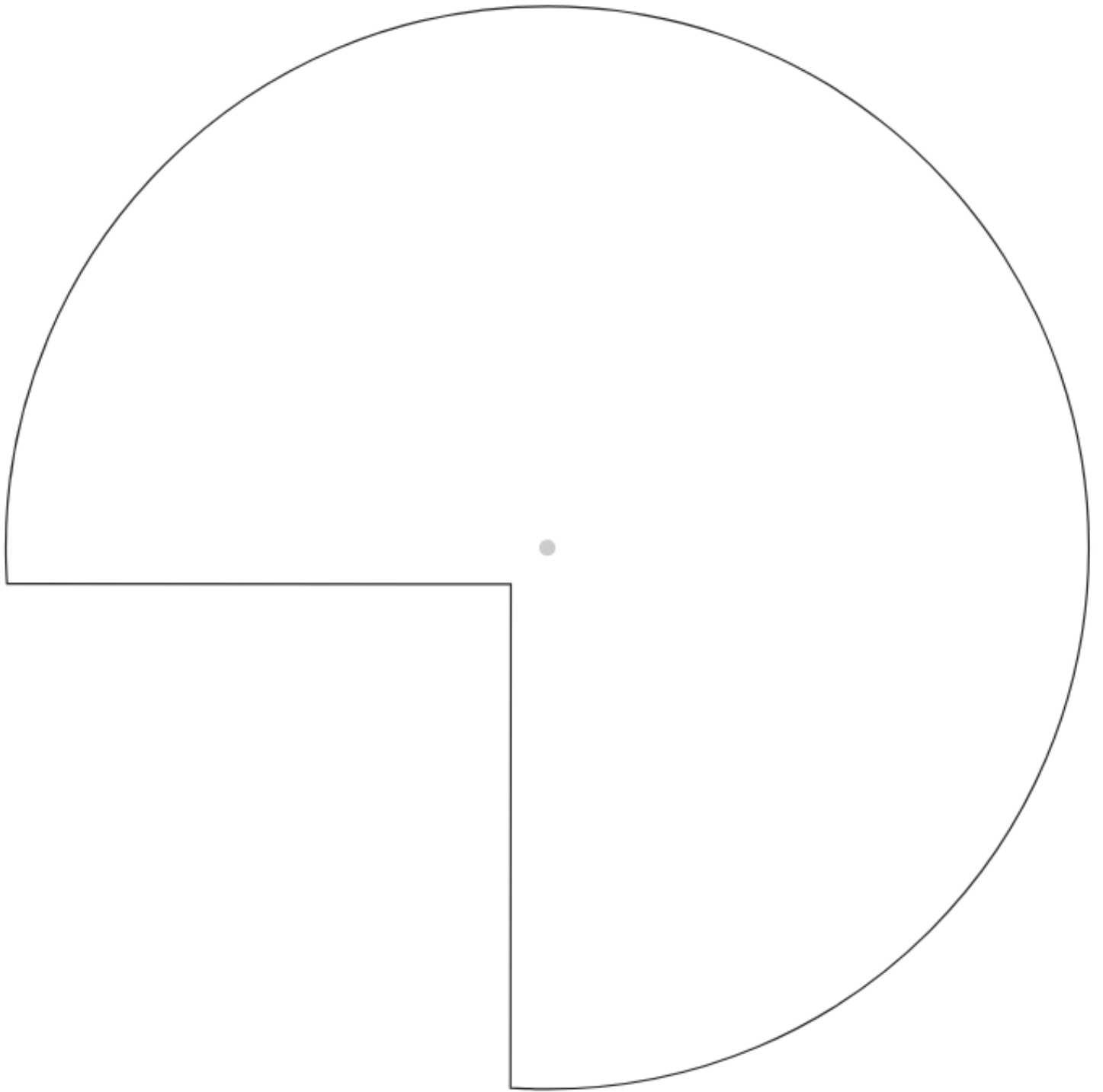
Layers of the Earth

1. See page 1
2. Cut out circular shapes.
3. Cut and remove about $\frac{1}{4}$ of the ocean layer so that the other Earth layers will be visible.
4. Glue the continents to the ocean layer.
5. Layer the circles in the same order of the table above, starting with crust on the bottom.
6. Poke the paper fastener through each layer, and bend the ends to secure them.
7. Label the name of layers and their depths 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 help the labels be more visible. Optional: label the layers of the Earth first, then rotate the ocean layer and label the depths in a different section.

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

8. Spin the ocean layer to practice studying the names and depths of the Earth's layers.







CRUST



MANTLE

