

Earth's Layers

INGREDIENTS:

- Construction Paper in the following colors:
Red, Orange, Yellow, Black, Blue, Green
- Brass Paper Fastener
- Black marker

INSTRUCTIONS:

STEP 1:

Create circles in the following colors & sizes:

- Black & Blue paper into 8.5" circles
- Red 7.5" circle
- Orange 4.5"
- Yellow 2.7"

Step 2:

Cut one fourth out of the blue circle.

Step 3:

Cut out shapes for continents from the green paper and glue them to the blue circle.

Step 4:

Lay the red circle on top of the black circle. Label as mantle and its width of 1,800 miles.

Step 5:

Lay the orange circle on top of the red circle. Label as outer core and its width of 1,370 miles.

Step 6:

Lay the yellow circle on top of the orange circle. Label as inner core and its width of 760 miles.

Step 7:

Place the blue paper on top. Poke a hole with the fastener adding all of the circles. Secure the fastener at the back of the black circle.

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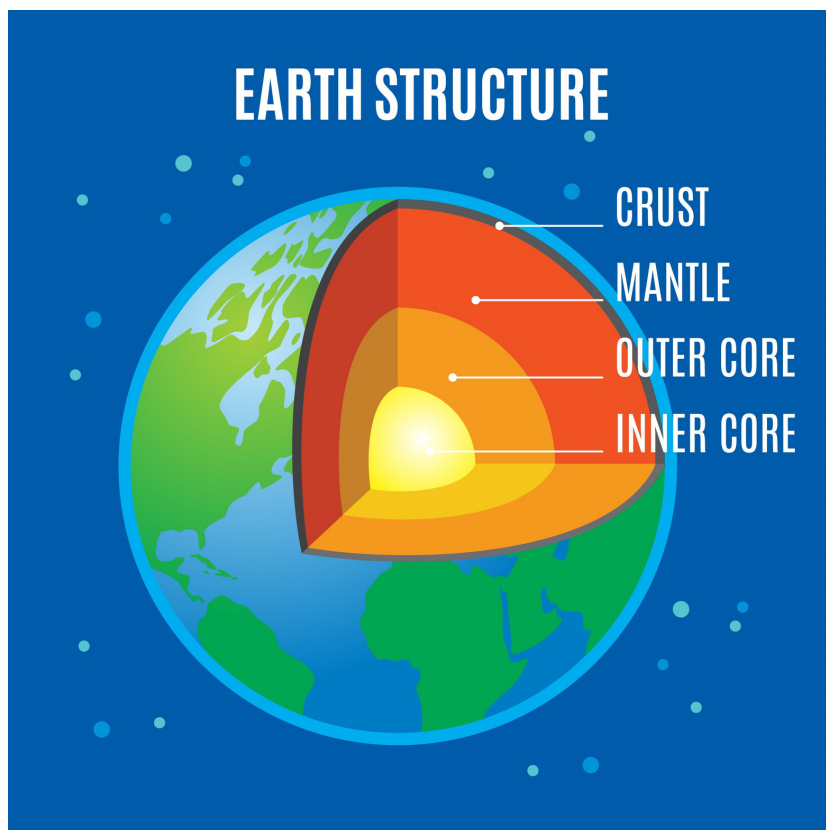
The earth is composed of different layers of rock and metal. The four layers are the crust, mantle, outer core, and inner core.

Crust

- 3 to 45 miles thick
- Made up of rock and water. This is what we see all around us.

Mantle

- 1,800 miles thick
- Made up of a thick layer of rock
- The core's hot temperature can sometimes melt the rock. This can reach the earth's surface and cause volcanoes.



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Earth's Core

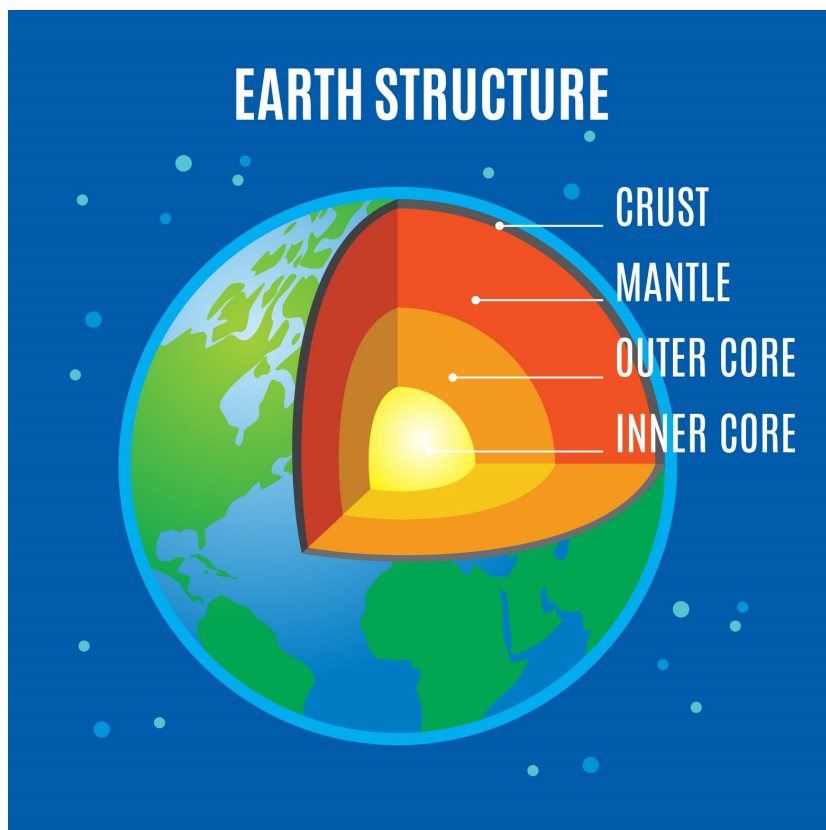
- Made of the metals iron and nickel
- Hottest part is where the inner and outer core meet. Here the temperature is 10,800 degrees Fahrenheit, which is as hot as surface of the sun!

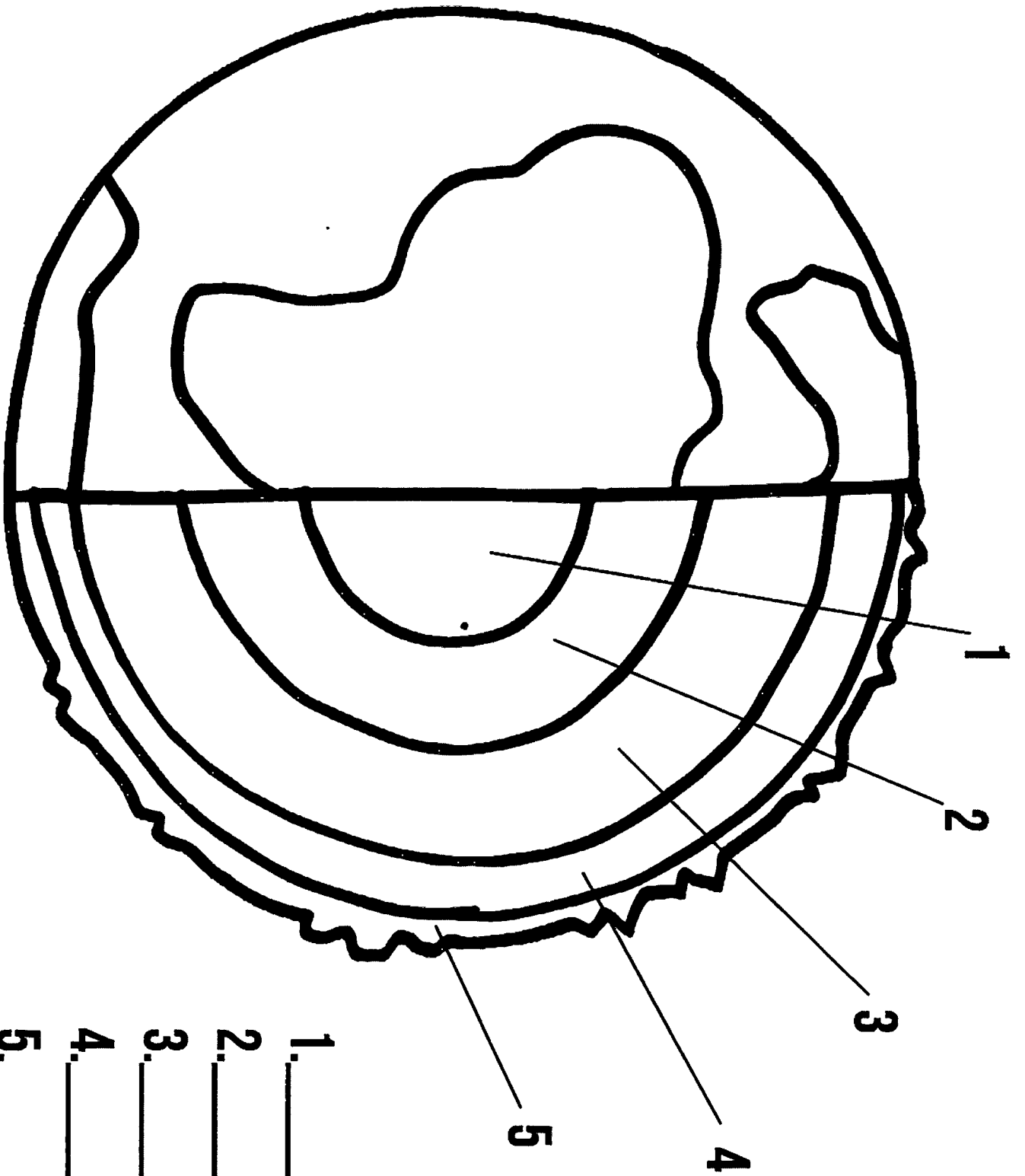
Outer Core

- 1,370 miles thick
- Liquid metal

Inner Core

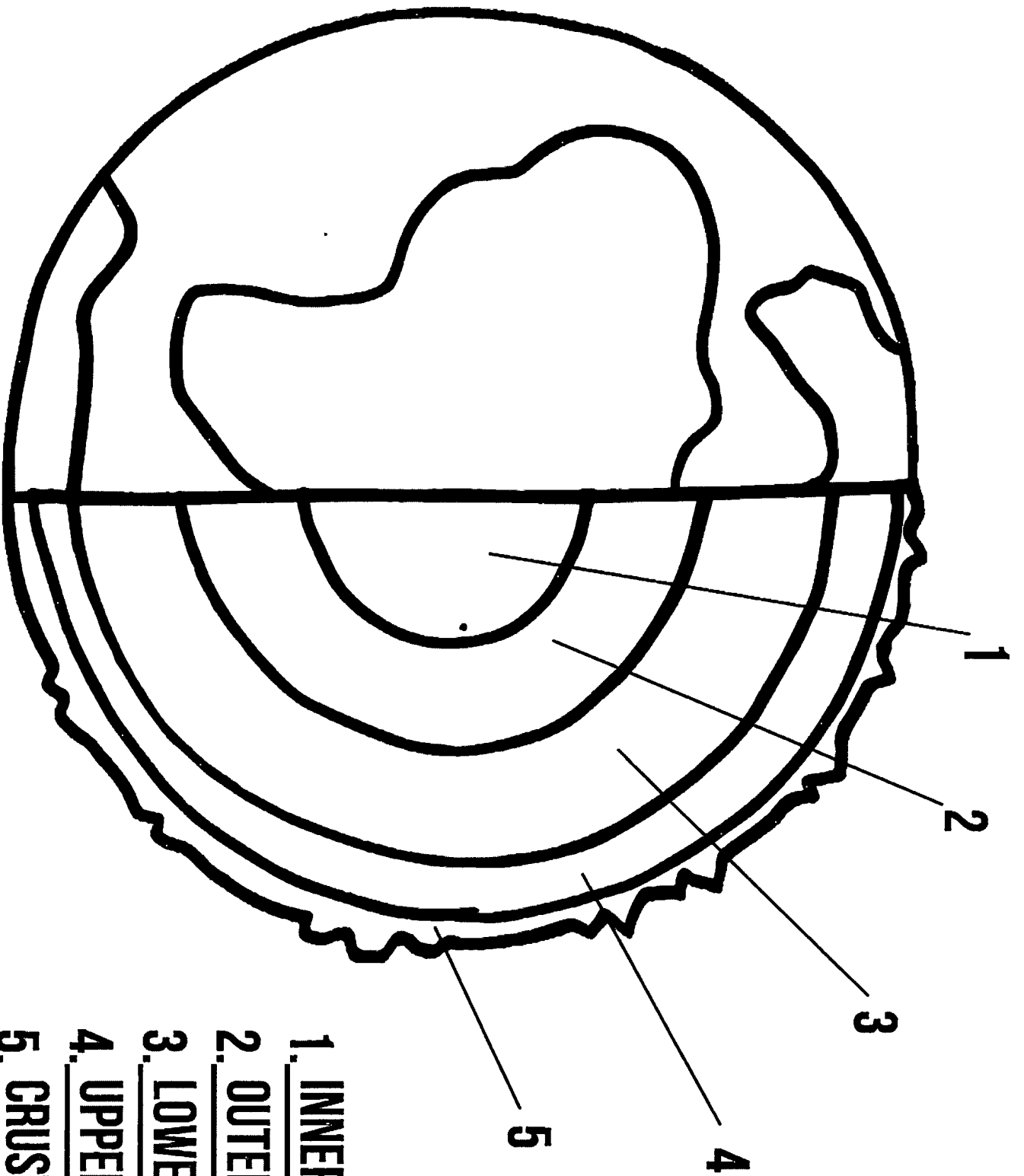
- 760 miles thick
- Solid metal made up of iron and nickel





1. _____
2. _____
3. _____
4. _____
5. _____





- 1. INNER CORE
- 2. OUTER CORE
- 3. LOWER MANTLE
- 4. UPPER MANTLE
- 5. CRUST

