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# Layers of the Earth Egg Lab

Purpose: To identify the layers of the Earth and cracks in the Earth’s surface as faults.

Hypothesis: A hard-boiled egg can be used to model the layers of the Earth because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Materials: hard-boiled egg, paper towel, plastic knife, marker

Procedures:

1. Tap the egg on all sides to produce cracks.
2. Use a marker to trace along the major cracks of the egg.
3. In the Observations section, draw a diagram of the outer egg.
4. Gently peel the egg until you remove the shell.
5. Using the plastic knife, cut the egg in half.
6. In the Observations section, draw what you see. Color and label the parts of the egg.
7. In the Observations section, draw another picture of what you see. Color and label the egg, but this time, instead of labelling the parts of the egg, label the parts to represent the layers of the Earth.

Observations:

Draw a diagram of the Outer Egg here. Draw a diagram of the Inner Egg and label

the egg parts here.

Draw a diagram of the Inner Egg and label

the layers of the Earth here.

Conclusions: Answer each question below.

1. What layer of the Earth does the egg’s shell represent?
2. The clear membrane of the egg acts as a barrier between the shell and the egg white. How is this like Earth’s layers?
3. What layer of the Earth does the egg white represent? Explain your answer.
4. When we use an egg to model the layers of the Earth, is there an inner and outer core? Explain your answer.
5. What do the cracks in the egg’s shell represent?
6. Describe how the egg can be a good model of the layers of the Earth. Be sure to use the correct vocabulary for the layers of the Earth.