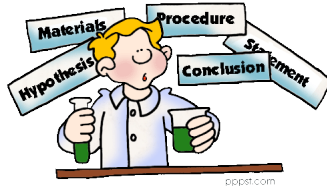


Name _____



Science Experiment:

Sampler (#125)
Cycle 1, Week 14

Purpose: To demonstrate core _____.

Hypothesis: _____

Materials: 3 different colors of modeling clay
drinking straw
fingernail scissors

Procedure:

- Soften an egg-sized piece of each color of clay by squeezing it in your hands.
- Flatten the clay pieces, and stack them on top of each other to form a block about 1 inch deep.
- Push the straw through the layers of clay.
- Pull the tube out of the clay.
- Use the scissors to cut open the straw.
- Remove the clay plug.

Draw/Write **Observations** in the box.

Results:

The straw cuts a cylinder-shaped _____ from the layered stack of clay.

Why:

As the straw cuts through the clay, the clay is pushed up _____ the hollow tube. The captured clay is called a core _____, and it reveals what materials are layered inside the block of clay. Coring devices made of metal are used to cut through layers of soil just as the layers of clay were cut. The metal core sample has a plunger that pushes the soil out so that it can be studied.