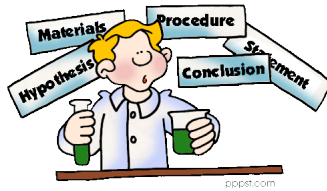


Name _____



Science Experiment:

Spurt (#132)
Cycle 1, Week 16

Purpose: To demonstrate what causes _____ (liquid rock) to move.

Hypothesis: _____

Materials: ½-empty tube of toothpaste

Procedure:

- Hold the tube of toothpaste in your hands.
- With the cap screwed on tight, press against the tube with your thumbs and fingers.
- Move your fingers and press in different places on the tube.

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

Results:

The paste in the tube moves _____ from under your fingers. Toothpaste bulges _____ the sides of your fingers.

Why:

Liquid rock inside the earth is called _____. Pressure on pools of magma deep within the Earth forces the molten rock toward the surface. Magma cools and hardens as it rises toward the surface. The liquid moves into the closest open space as did the toothpaste when it squeezed between and around the spaces formed by your fingers. Magma that moves up vertically into cracks in the crust and hardens is called a _____. When magma moves horizontally between rock layers, the solid, thin sheet of rock formed is called a _____. This horizontal movement of magma can also form a pool of liquid. This hardened dome-shaped pool is called a _____. As the laccolith forms, the layers of rock above it are pushed up, just as the toothpaste was pushed up the tube.