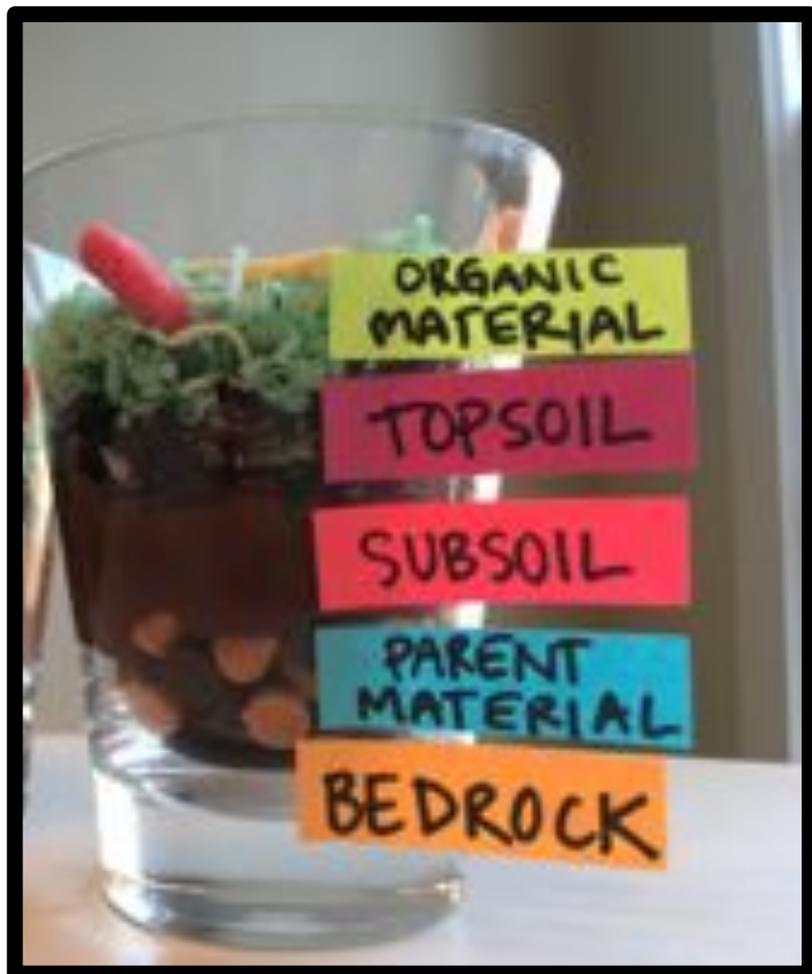


# LAYERS OF SOIL ACTIVITY

## LAYERS OF SOIL ACTIVITY EXAMPLE



### MATERIALS FOR LAYERS OF SOIL ACTIVITY

Organic Material: green food coloring, coconut, twizzlers and/or sour straws

Topsoil: Crushed and crumbled Oreos

Subsoil: chocolate pudding

Parent Material: chocolate chips and butterscotch chips

Bedrock: crushed up oreo cookie

### Instructions

**Step 1:** Each student should have an empty plastic cup. Ask students to pick up their Oreo cookie and place in the bottom of their cup – this represents **bedrock**. Bedrock is a solid rock that lies under loose or soft material. It is the outermost layer of the Earth's crust.

**Step 2:** Instruct students to dump their chocolate and butterscotch morsels on top of their Oreo cookie – this represents the **parent material**. Parent material is formed from bedrock after a long weathering process; above this layer is where soil layers will be formed.

**Step 3:** Add chocolate pudding (1/2 cup per student) – this represents the **Subsoil**. Subsoil offers rich minerals for plants and trees searching for root systems, and water movement directly affects this layer.

**Step 4:** Now students will add the crushed & crumbled Oreos – this represents the **topsoil**. Topsoil is the top layer of soil. Topsoil provides the rich material and nutrients needed for seed germination.

**Step 5:** Students will place a small amount of green colored shredded coconut.

**Step 6:** Choose a type of candy such as a green sour straw or Twizzler, explain to students that this will act as the root system as it pushes through the layers of soil.

**Step 7:** Allow students to admire their work. Provide each student with a spoon and “enjoy” his or her learning of the layers of soil.