Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Soil Pudding Lab

**Purpose**: What is the make up of a soil profile?

**Research**: We have studied the formation and the composition of soil through notes, reading guide, and the soil composition lab.

**Hypothesis**: If I use the appropriate ingredients in the correct order, then I will construct an accurate representation of the soil profile.

**Experiment**:

1. Construct an edible soil profile as follows.
   1. In a plastic cup, place Oreo cookie in the bottom of the cup
   2. Place a layer of crumbled chocolate chip cookies on top of the Oreo cookie.
   3. Place a layer of vanilla pudding on top of the chocolate chip cookies.
   4. Place a layer of chocolate pudding on top of the vanilla pudding.
   5. Add sprinkles and place 2-3 gummy worms on the top.
2. DO NOT EAT UNTIL GIVEN PERMISSION (**You must draw your diagram before you eat)**

**Analysis and Conclusion:**

1. Draw, color, and label the horizons of your “edible soil”.
2. Discuss the use of ………. (**Why did we use these materials to represent each layer?)**
   1. Chocolate pudding to represent horizon \_\_**A**\_\_\_? \_**Used to represent dark organic material**.
   2. Vanilla pudding to represent horizon\_\_\_\_\_?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Vanilla wafer or Oreo to represent \_\_\_\_\_\_\_\_? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   4. Sprinkles for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   5. Gummy worms for \_\_\_\_\_\_\_\_\_\_\_\_\_? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   6. Chocolate Chip Cookies for \_\_\_\_\_\_\_\_? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What would mixing the layers represent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_