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

Soil Pudding Lab

**Purpose**: What is the makeup of a soil horizon (profile)?

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

**Experiment**:

1. Construct an edible soil profile as follows.
   1. In a plastic cup, place wafer cookie in the bottom of the cup
   2. Place a layer of crumbled cookies on top of the wafer cookie.
   3. Place a layer of vanilla pudding on top of the crumbled cookies.
   4. Place a layer of chocolate pudding on top of the vanilla pudding.
   5. Add sprinkles and place a gummy worm 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?)**

|  |  |  |
| --- | --- | --- |
| **Material** | **Horizon** | **Why?** |
| Chocolate Pudding |  |  |
| Vanilla Pudding |  |  |
| Wafer cookie |  |  |
| Sprinkles |  |  |
| Gummy Worm |  |  |
| Crumbled Cookies |  |  |

1. What would cause the horizons to become mixed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_