

# EXTENSION 3.2 CDE LAB- EDIBLE SOIL

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

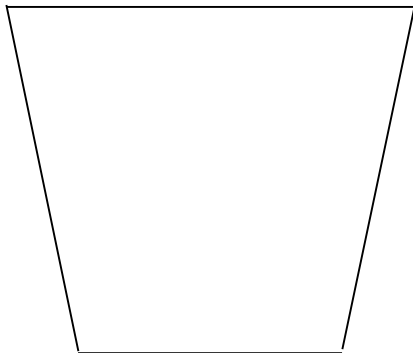
**Hypothesis:** If I use the appropriate ingredients in the correct order, then I will construct an accurate representation of the soil horizon (profile).

**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?
Gummy Worm		
Sprinkles		
Chocolate Pudding		
Vanilla Pudding		
Crumbled Cookie		
Wafer Cookie		

3. What would cause the horizons to become mixed?

\_\_\_\_\_