

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).

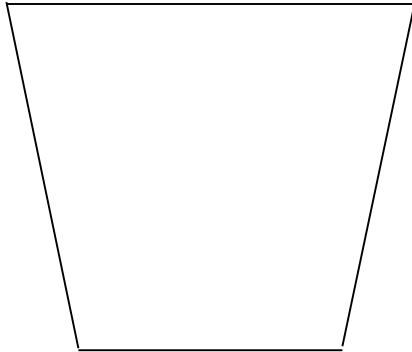
Experiment:

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?
Chocolate Pudding		
Vanilla Pudding		
Wafer cookie		
Sprinkles		
Gummy Worm		
Crumbled Cookies		

3. What would cause the horizons to become mixed?
