

Name _____

Date _____

**Soil Sample Observation of Physical Appearance
Part I**

Soil Sample	Color(s)	Texture	Odor	Particle Shape
Sand				
Silt				
Clay				

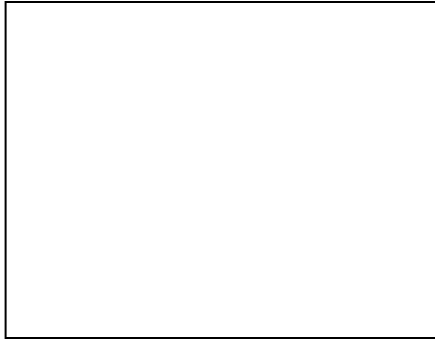
Create a soil column based on **particle size**. Write the name of the soil type in the appropriate box.

Smallest

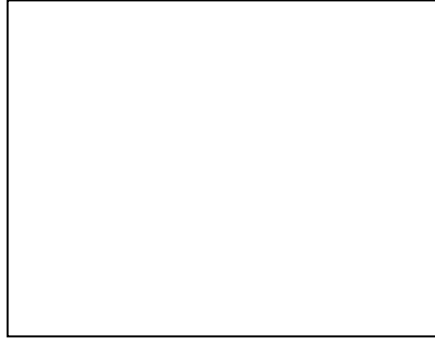
Largest

Soil Exploration – Particle Size Part II

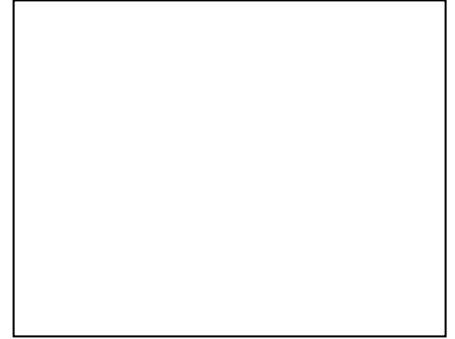
Particle Size



Marble chips



Pebbles



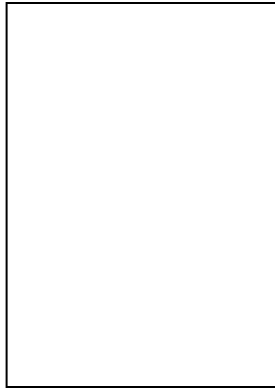
Aquarium Gravel

Water volume after 1 minute of flow

Soil Type	Water Volume (mL)	Average Water Volume (mL)
Sand		
Silt		
Clay		

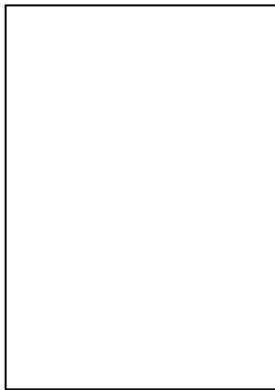
Part III

Soil profile of water cup after 3 minutes settling time



Label appropriately

Group soil column



Water Clarity Scale

1= Very Clear 5= Opaque

	Dirty Water Clarity	Filtered Water Clarity
Experiment 1		
Experiment 2 with food coloring		

If food coloring is added to the dirty water, will the food coloring filter out through the soil?
