

Soil Predictions

Use your Soil Investigation sheet to make a hypothesis (or educated guess) about what will happen when 1 cup of water is poured over 2 cups of soil? Remember to think about piece size, what it is good at doing, and what it is bad at doing.



I predict the clay soil will



I predict the sandy soil will



I predict the rocky soil will

Now let's think about the following soil blends:

I predict the blend with more sand will

I predict the blend with more clay will

Now, conduct the experiment at your house! You will need:

- a. An adult's permission!
- b. 1, measuring cup.
- c. 1 funnel or other house hold item with a hole or holes at the bottom to put the soil in.
- d. 1 collections basin.
- e. 1 cup of water.
- f. 1 trowel or shovel.
- g. 2 cups of soil (not mulch).



Step 1: Gather the above materials.

Step 2: Measure out the soil using the measuring cup and put it in the funnel.

Step 3: Make observations about the soil to create a hypothesis. Think about:

- How fast will the water will move through?
- What color will the collected water be?
- How much water will be collected?

Step 4: Place the collection basin under the funnel and pour 1 cup of water over the soil. Record your results and discuss them in a digital classroom or with someone at home. Was your hypothesis correct?

Step 6: Remember scientists never run just one experiment. Find another spot to test and see what results you get this time.





My Soil Experiment

Experiment 1:

Where is test location 1:

What observations can I make before the test:

My hypothesis is:

My recorded results include:

Experiment 2:

Where is test location 2:

What observations can I make before the test:

My hypothesis is:

My recorded results include: