



Winooski Valley Park District

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Name: _____

Soil Erosion Experiment

Part 1 (before experiment)

What is **erosion**?



Part 2 (during experiment)

Test 1

Prediction: What do you think will happen when we pour water over the dirt? What will the water look like after?

Results: What happened? What does the water look like?

Test 2

Prediction: What do you think will happen when we pour the water over the leaves? What will the water look like?

Results: What happened? What does the water look like?

Experiment Procedure

1. 1 person holds the large bottle
2. 1 person attaches the smaller bottle so it hangs from the spout
3. 1 person fills large container with dirt (up to red line on back of bottle)
4. 1 person gets a container of water
5. 1 person gently dumps the water (starting at the back of the large container)
6. Take the water collected in the smaller container and put it in a vile
7. Repeat steps 1-6 (adding leaves and small sticks on top of the dirt for step 3)

Materials Needed:

- 1 small soda bottle
- 1 large soda bottle
- 1 rubber band
- 1 Bottle to pour water from
- 2 Small Shovels
- Soil
- Leaves