



Set Up a Streaming Slope

Procedure

- 1. Use Models** With a partner, build a soil slope on one end of an aluminum pan. The slope can be steep or gentle.
- 2. Record Data** Draw and label a picture of the soil slope.

- 3. Predict** You will drip water from a paper cup onto the soil at the top of the slope. Predict what you think will happen. Record your prediction.

- 4. Experiment** With a pencil, poke a small hole in the bottom of a paper cup. Cover the hole with your finger. Have your partner fill the cup with water from a water bottle. Hold the cup 3 to 4 cm above the soil at the top of the slope. Remove your finger and let the water flow over the soil slope.
- 5. Observe** What happened to the soil? Draw a picture and describe the changes.

Name _____ Date _____

Conclusion

1. **Compare** Look at the pictures you drew of the soil slope. How are they alike and different? Do the pictures support your prediction about what would happen when you poured water onto the slope?

2. **Infer** What can you infer about the way water and gravity wear down and build up Earth's surface?

Design an Experiment

Guided Inquiry

Make another soil slope. This time, pour water from the bottle down the slope. How do the speed and amount of water affect a soil slope?