

Student Instructions for Exploring Slope

1. Mark your empty cylinder with your group letter or color and the lesson number.
2. Stack your books about 18 cm (7 in) high on your work space. Cover the books with the large absorbent pad. Place the smaller pad on the floor.

3. Raise the end of the stream table and set it on the covered books so the stream table is at an angle. Use the illustration to help you. The drain hole should be near the edge of your work space.

4. Attach the plastic cup with the large hole (red dot) to the stream table.



5. Remove the rubber stopper from the drain hole.
6. Hold the catch bucket under the drain hole.

7. When you are ready, pour water into the cup. You may need to hold the cup steady with your hand. Try to keep the water level with the line on the cup at all times. Do not touch your soil once you have begun to pour.

8. When you have poured almost all the water, collect a sample of runoff. To do this, hold the empty cylinder under the drain hole. Fill the cylinder with runoff to the 50-ml mark. Put the cylinder in a safe place.



9. Observe and discuss with your group the soil and water in your stream table. Record all observations on **Record Sheet 4-A: Comparing Streams**. Put your observations from today in the *Lesson 13* column. Measure the length of your stream with the string. Use the string or a ruler to measure the width of the soil deposited at the end of the stream.