Student Instructions for Testing the Direction and Flow of Water on Land

1. Stir your soil. Move two or three large handfuls of soil to the side of the stream table. You will use this soil to make hills.

2. Bulldoze your soil. Use the soil you moved to make one or two hills on the land. Do not make the hills higher than the top of the stream table box. Now put the rocks anywhere on the soil you choose.

3. In your notebook, quickly draw a picture of the land in your stream table as it looks now. Label the rocks and hills. Now make a prediction. What path do you think the water will take? Use a blue crayon to draw your prediction.

4. Set up your stream table investigation just as you did in other lessons. Use the diagram to help you.

   - Attach the cup to the stream table.
   - Remove the rubber stopper.
   - Hold the catch bucket under the drain hole.

5. Pour the water into the cup. Observe what happens. Sprinkle a few grains of marine sand on the stream. What do you observe about the speed of the stream? Discuss your observations with your group.

6. If your teacher has asked you to create an aerial drawing, place the plastic over your stream table. Use the rubber band to hold it in place. Draw an aerial diagram of your stream table. Label the hills, rocks, and other parts of your stream table. Use color and symbols if you wish. If you were able to observe changes in the speed of the stream, add labels such as *Fast* and *Slow* to your aerial drawing.