**Unit 2, Lesson 1**

### Build Your Watershed Model

1. Place newspaper under the tray.
2. Arrange a tall object near one edge of the tray and arrange the shorter objects toward the center of the tray.
3. Crumple up a piece of butcher paper. Be careful not to rip any holes in the paper.
4. Carefully cover the tall and short objects with the sheet of butcher paper. Pressing the paper down so it looks like tall and short hills. The pieces of tape on the back of the paper will keep the paper from lifting up from the tray.
5. On the model, mark high areas with H and low areas with L.
6. On the next page, draw an elevation map of your model.

**Draw Your Elevation Map**

- On the model, mark high areas with H and low areas with L.
- On the next page, draw an elevation map of your model.

**Make Your Prediction**

7. On the next page, predict how the water will flow over the model if you spray water on it. Include where water will flow and where it accumulates.
8. Hold the spray bottle about 5 inches from your model and spray for several minutes until you get a continuous flow of water. Take turns spraying your model.
9. Return spray bottles to the teacher.
10. Using a different color pen, draw on your map how the water flows over your model and where the water accumulates.

**Observe Your Model**

- On your elevation map, draw an elevation map of your model. Chose one member to draw his or her own.
- On the model, draw an elevation map of your model.

**What is a Watershed?**

**Part 1**

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Part 2
Elevation and Observation Map

1. Explain how the water flowed over your model (what patterns occurred)? What caused the water to flow the way it did?

2. Did your observations agree or disagree with your predictions? How were they similar or different?

What is a watershed?