Erosion Station Student Data Sheet

Water Erosion Station

1. In your model, explain what the different parts represent: soil, rocks, spray bottle and watering can.

2. Sketch your model. Show where the rocks are on the mountain. Record how high above the soil each rock is.

Sketch model 	Measurements of rock height. 

3. Record your observations after you made it rain on the mountain.

Light Rain 	Heavy rain 

4. What caused the soil to run down the mountain?

5. Measure the height of the rocks again. Record the height. What happened? Why do you think this happened?

6. What happened to the water as it moved downhill? What other observations can you make about the bottom of the mountain. Record your observations here.

7. Write a summary statement that describes what happens with water erosion.

Erosion Station Student Data Sheet

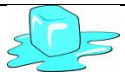
Glacial Erosion Station

1. In your model, explain what the different parts represent: clay, sand/gravel, ice cubes/blocks.

2. Sketch your model. Sketch how the clay looks at the beginning of the activity.

Sketch model 	Clay. 

3. Record your observations after you rub the ice cube on the clay.

No sand or gravel 	Sand or gravel  

4. What happened to the clay when you only used ice? When you added the sand/gravel?

5. Based on your observations, describe what you think happened.

6. Repeat the process with the block of ice. Record your observations

7. What happened when you tipped the tray up at an angle? Sketch your observations.

8. Write a summary statement that describes what happens with glacial erosion.