

Stream Flow Lab

Streams of water behave very differently in different environments. A stream on a flat plane will be different from a steep waterfall. Your job is to observe how water moves.

You will need a tray to pour the water down, a basin or sink to catch the water at the bottom, and a cup or glass to pour the water down. For part two, you will also need several rocks of various sizes.



1. Choose how steep or flat your tray is, and SLOWLY pour the water onto the tray. Watch how it behaves and write down your result.
2. Repeat the process nine more times using different slopes and water speeds. Write your results each time.
3. After the ten observations, add some stones or gravel to the plane. Again, pour the water and record the results.
4. Change the location or size of the rocks and repeat four more times. Write the results each time.
5. Draw conclusions: What do slope, amount of water, and terrain (the rocks) have to do with the way that the stream behaved?
6. Write your name on your paper and turn it in.