

The Power of Water Procedure

Materials

- ☐ Large shallow tray or plastic bin
- ☐ Sand
- ☐ Narrow neck bottle
- ☐ Wide neck bottle

Procedure

Build a mountain (mound of sand) or have a student volunteer come up and create it.

Have another volunteer come up and use the narrow neck bottle to slowly pour water onto the mound. *This is what the stream is like during the late summer and fall when most of the snow has melted up in the mountains.*

Another volunteer can come up and rebuild the mound of sand. An additional student should then come up and use the wide neck bottle to slowly pour water onto the mound. *This is an example of what it looks like in the spring and early summer when all of the snow is melting.*

This is what hydrologists (people who study water) call the stream flow. How slow or quickly snow up in the mountains melts affects how much water will flow.