Reduced on an actual hillside?

1. Without changing the rate of water flow, how
   does the rate of water flow affect erosion?

2. Compare the patterns of erosion with the rate of
   water flow.

3. How does the rate of water flow affect erosion?

4. Without changing the rate of water flow, how
   could the rate and effects of erosion be
   reduced on an actual hillside?

Analyses and Conclusions

Observe and draw the pattern of water flow.

Different rates of water flow, for each trial,

Repeat Steps 4 and 5 two more times with

enough to splash the sand. Draw a pattern of

increase in the rate of water flow slightly, but not

Procedure

clock or watch

catch water and sand, small ruler or straightedge,

2. Place the second pan or container so it catches

on the brick is under the water faucet.

3. Place the pan in the sink so that the end resists

Show in the photo.

4. Fill the pan about half full with moist sand as

Materials

soil erosion by making a model of a hillside.

major cause of soil erosion. You can demonstrate

The uncontrolled runoff of surface water is a

Soil Erosion