



Follow this worksheet as you watch the BEMP Stormwater Science Part 3.1 video. This video will go over where all the water goes after a storm event, the difference between permeable and impermeable surfaces and the problems of flash flood events.

5. Which community do you predict will have the most polluted water? Why?
6. Name at least one example for a **permeable** and **impermeable** type of soil (or material).
7. What do you think will happen to the pollutants that are on a **permeable** soil?
- a. The pollutants will slide down hill
 - b. The pollutants will percolate (filter) through
 - c. The pollutants will slide down hill
 - d. Something else: _____
8. What do you think will happen to the pollutants that are on a **impermeable** urban surface?
- a. The pollutants will slide down hill
 - b. The pollutants will percolate (filter) through
 - c. The pollutants will slide down hill
 - d. Something else: _____
9. Do you know which phenomenon can occur when we get a lot of precipitation in a short period of time?
Hint: Look at the symbol in the video.
10. What are the main conditions that can lead to a **flash flood** event?
- a. Heavy rain and improper drainage
 - b. Improper drainage
 - c. Other conditions
 - d. Heavy rain