

Stormwater Science

Part 3.1

Follow this worksheet as you watch the BEMP Stormwater Science Part 3.1 video. This d

ideo will go over where all the water goes after a storm event, the difference between permeable and impermeable surfaces and the problems of flash floodevents.		
1.	Do you remember what is a tributary ? Please define it in your own words. Note: You can add examples of tributaries of the Rio Grande to help you define this concept.	
2.	Do you remember what is E. coli ? Please define it in your own words. Note: You can draw what E. coli looks like to help you define this concept.	
3.	What is a bioindicator ? Please define it in your own words.	
1	Do you think the river water will have more less or the same amount of	

pollution after a storm event?

5.	Whi	ch 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 (o material).		
7.	Who	at 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	

Heavy rain

d.