Pre-evaluation

HOW FAST WATER TRAVELS THROUGH SOILS?

Name:	, School:	, Grade:
Read the following questions, a	and for each one circ	le the best choice as accurate as possible:
 Out of the soils listed below, a. Gravel b. Sand c. Clay d. All have the same size 	which one has large	er grains?
2. In a soil sample, what soil do	you consider have 1	more voids or spaces between grains?
a. Gravelb. Sandc. Clayd. All above have same voids		
3. Which soil allows water to r	un through it faster?	
a. Gravelb. Sandc. Clayd. All above		

Statement		Agree	Disagree	Disagree a
	a lot			lot
I want to learn more about engineering problems				
Engineers should know where the water is within				
soils and how fast it travels through				
Math is important in <i>my</i> everyday life				
Robots can help solve engineering problems				·
I want to use robots more often in the classroom				

5. Which so	il, out of gravel, sand, and clay, have the highest permeability, and which one ha
	ermeability?
	sing an ultrasonic sensor for the permeability test, how much water was collecte did it take to collect such amount of water?
	ultrasonic sensor for the permeability test, repeat the measurements and take the amount of water and time.
7. What is the	ne flow of the groundwater flow in this model?
(Recall that	flow = Volume / time)