A VIDEO DEMONSTRATION OF HUMAN CIRCUITS

Name:	P-G-S:
Read the questions before watching the corresponding	video clips. Answer each question with words and diagrams.
1. a. What acts as the battery in this circuit?	
b. Where are the terminals for this "battery"?	
c. The Brainiac acts as a	in the circuit.
2. a. What will happen when the Brainiac stands on the	foam tiles ("polystyrene" = Styrofoam) and touches the
fence?	
b. Why?	
c. What kind of circuit is this?	
d. The resistance in this circuit islowhigh.	

All brainiacs will get shocked the same amountSome Brainiacs will get shocked more than others. Describe:	
 4. a. What will happen when four out of five Brainiacs are on foam tiles when the fence is touched? All Brainiacs will get shocked the same amount. Some Brainiacs will get shocked more than others. Describe: 	
b. What kind of circuit is this? Include a diagram.	
5. What happens when all five Brainiacs are standing on foam tiles when the fence is touched? Why?	
6. What was the circuit when all five Brainiacs were uninsulated (barefoot and not on tiles)? a. How do you know it's not series?	
b. How do you know it's not parallel?	
c. What is it? Include a diagram.	
7. What is one practical application of this kind of circuit?	

3. When five barefoot Brainiacs hold hands and touch the fence,