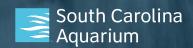
Groundwater and Runoff Data Sheet



Day 1 - Porosity

- Zone of saturation
- · Zone of aeration
- Water table

- 2. How much water did it take to saturate the marbles?
- 3. What is the porosity?

Sediment Type	Predictions (porous or nonporous)	Saturation (amount in ml)	Porosity (%)
Clay			
Sand			
Gravel			

4. Were your predictions correct? Explain.

Groundwater and Runoff Data Sheet



Day 2 - Permeability

Sediment Type	Time for 100 ml to Saturate	
Clay		
Sand		
Gravel		

1. What do the results in the table tell	you about the permeabilit	y of the three different se	ediment types?
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2. What are your predictions for the porosity and permeability of the Piedmont region of South Carolina knowing that the major sediment type is clay? How does this affect the amount of water that becomes groundwater and runoff?

3. What are your predictions for the porosity and permeability of the Sandhills region of South Carolina knowing that the major sediment type is sand? How does this affect the amount of water that becomes groundwater and runoff?