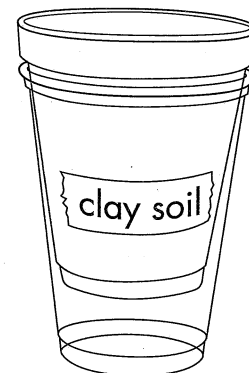


Hands-on Inquiry How Much Water Can Soils Hold?

- Put each soil in a filter cup. **Measure** the mass of each filter cup with soil. Make sure they have the same mass. **Record** your **data**.
- Use a spoon to gently pack the soil.
- Place each filter cup of soil inside a clear plastic cup. Slowly pour 50 mL of water on each soil sample. Wait 20 minutes. Record the mass of each soil sample.

Materials	
<input type="checkbox"/>	water
<input type="checkbox"/>	2 plastic cups
<input type="checkbox"/>	clay soil
<input type="checkbox"/>	2 filter cups
<input type="checkbox"/>	graduated cylinder
<input type="checkbox"/>	gram cubes
<input type="checkbox"/>	sandy soil
<input type="checkbox"/>	spoon
<input type="checkbox"/>	balance

Ability of Soil to Hold Water		
Type of Soil	Mass of Dry Soil (g)	Mass of Wet Soil After 20 Minutes (g)
Sandy soil		
Clay soil		



Explain Your Results

4. Based on your measurements, which type of soil holds more water? Explain.

5. Which type of soil would be better for use as a riverbank reinforcement? Explain.
