

SOIL YOUR UNDIES CHALLENGE

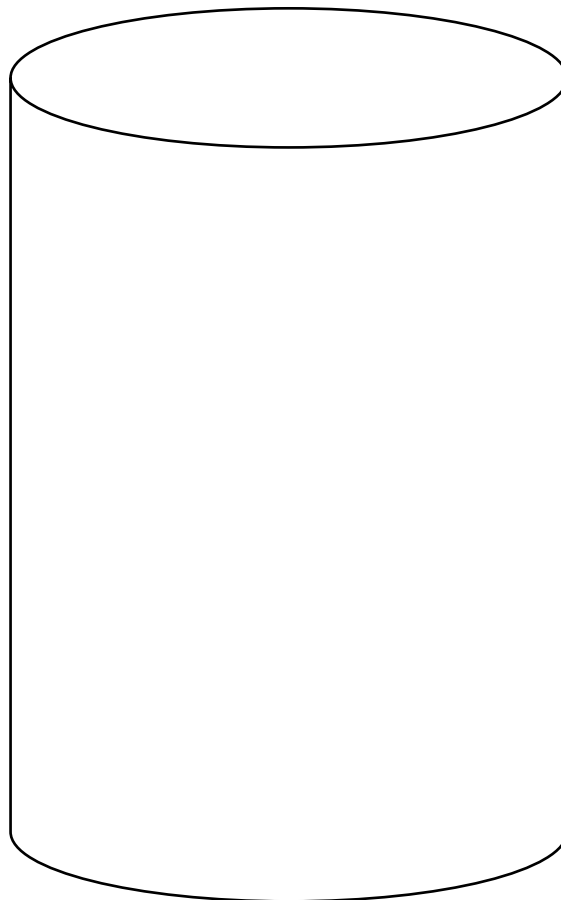
Soil Texture activity sheet



Exploring Soil Texture

What do we do?

1. Collect all the equipment needed for the experiment, including:
 - a. A jar with a lid (around 250mL will be fine).
 - b. A handful of soil from where your undies are buried.
 - c. Around 200mL of water.
2. In the jar, $\frac{1}{4}$ fill it with the soil sample.
3. Fill the same jar with the water until it is about $\frac{3}{4}$ full and screw the lid on.
4. Shake the jar for 5 minutes and then leave for 3 hours or overnight for contents to settle. Try not to disturb the jar too much during this time!
5. After three hours or the next day, take a look at your jar and observe the new layers. These are your sands, silts and clays!
6. Draw your results in the jar below:



Extension: Using a ruler, measure the height of all the layers in your jar, then each individual layer. Use your results to calculate the percentage of sands, silts and clays in your soil. What did you discover?