

Soil Permeability



Question: What is the permeability of different types of soils?

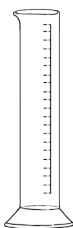
Prediction: I predict that _____ soil will be the most permeable and _____ soil will be the least permeable. I think this because _____

Equipment:

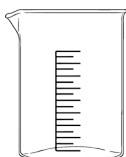
Samples of soil



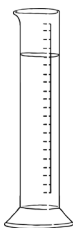
Measuring cylinders



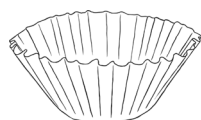
Beakers



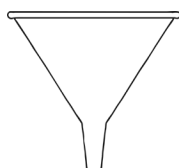
Water



Coffee Filter Papers

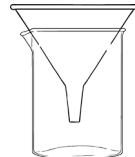
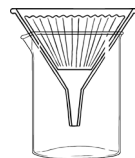

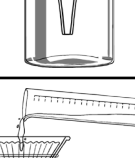

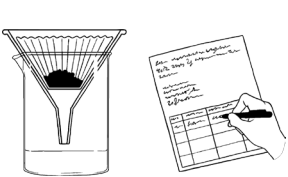


Funnels



Method:

Repeat the instruction with each soil sample you are testing.

1. Place the funnel in the measuring container.	
2. Insert a coffee filter into the funnel.	
3. Add the soil sample to the lined funnel.	
4. Pour 300 ml of water into the soil.	
5. Observe the water filtering through.	
6. After 5 minutes check how much water has collected in the measuring container and record this in the table below.	

Observational Record:

Type of Soil	Initial Observation (Describe what happened straight after you added the water)	Further Observation (Describe what has happened after 5 minutes including how much water has collected in the measuring container)	Permeability (Rate the permeability as rapid, moderate or slow)