EXPLORE PERMEABILITY:

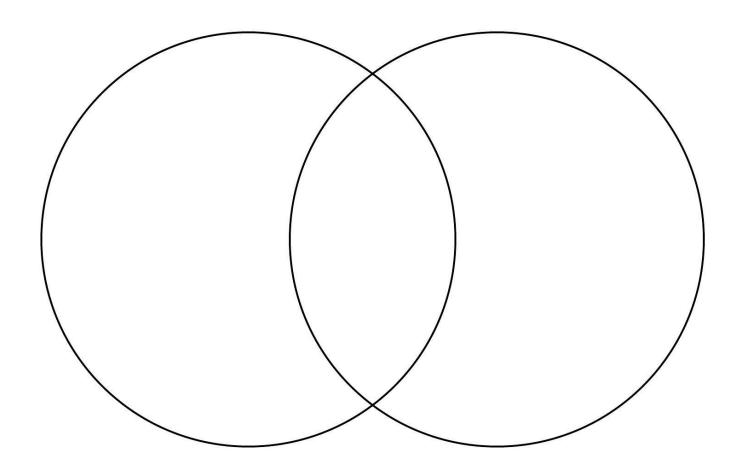


DOES WATER MOVE AT DIFFERENT SPEEDS?

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1.	Which material water will travel through the fastest?
2.	Define flow rate
3.	Did your prediction from #1 match what happened? Explain
	Define permeability
4.	Define permeability
5.	Explain which material is more permeable.

6. Compare and contrast permeability and porosity



Extension

A. Use a clock or stopwatch to time the rate the water travels through the material.

Material	Time (seconds)			
Gravel				
Sand				
B. Does the permeability change when the material is compacted? Explain. Tap the bottom of the container while adding the sand or gravel in order to compact and settle the material. TIP: This is best done in containers larger than the syringe provided, such as a funnel.				