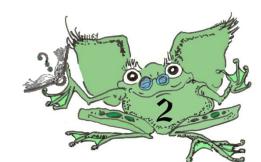
MiSP Permeability and Porosity Assessment L2

Name		Date
	MEDIUM SAND MEDIU	
		s": fine, medium, and coarse. The particle sizes of
_	grades of sand are:	
Fine	0.2 mm 0.5 mm	
Medium Coarse	0.8 mm	
Coarse	0.0 11111	
	ing sand under brickwork or cement, or ity, water retention, and porosity.	in other applications, are often concerned with
	scientists tested the different types of sa ne following questions about their resear	and with columns similar to the ones used in class. ch:
	ibe the steps a scientist would take to fin article size of fine sand in a plastic colur	nd how much water would be retained by the 0.2 nn.

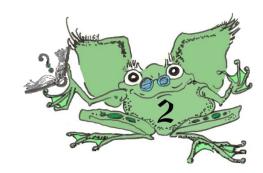


2.	The scientist found that the porosity of the medium sand was 14%. What is the porosity of the fine sand and the coarse sand? Explain your answers.

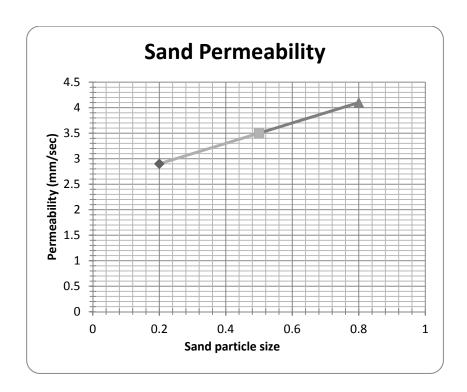
3. The scientist measured the permeability of the three sands. The data is on this chart:

Sand type	Particle size (mm)	Permeability
		(mm/second)
Fine	.2	2.9
Medium	.5	3.5
Coarse	.8	4.1

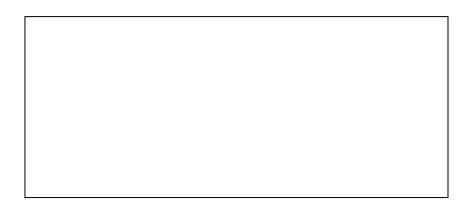
	What is the relationship between particle size and permeability?
As a good to getting a since in one good that the service ability	As sand particle size increases, the permeability



The data from the chart was graphed:



4. Calculate the unit rate of change (slope) of the sand permeability data. Show your work.



5.	Why is the unit rate of change a positive (+) number?			

