Virtual Lab:

Because you missed the lab in class you can explore a virtual lab online at:

http://www.glencoe.com/sites/common_assets/science/virtual_labs/ES04/ES04.html

(Google "glencoe science rock lab" to find the link or type the URL above into your web browser)
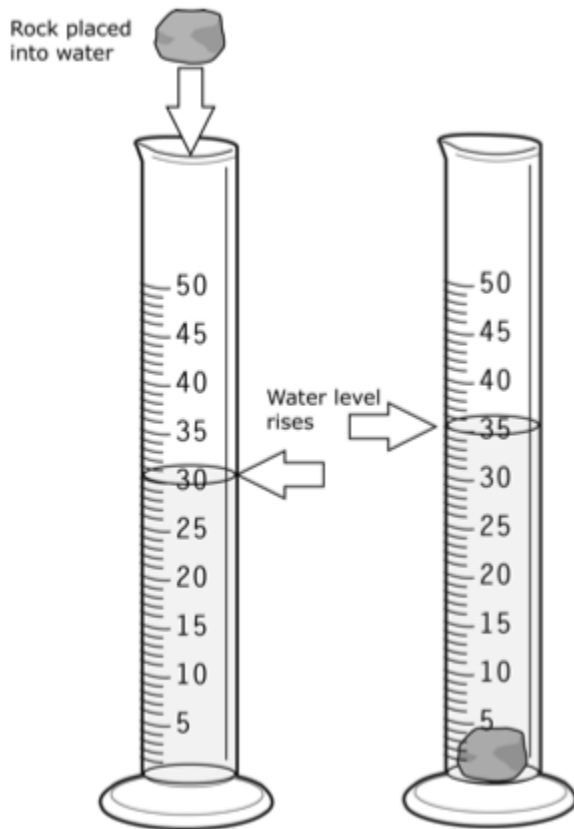
Calculating Density:

Please review the following example problem for the missed practice on density in the lab:

1. What is the formula for density?
Density = mass/volume

2. The mass of the rock is 15 grams and it is dropped into the graduated cylinder with 30 mL of water in it. The water level rose as shown. What is the density of the rock in g/mL?

Water rose 5mL, therefore the rock has a volume of 5mL
Density = mass/volume
Density of rock = 15g/5mL
Density= 3 g/mL

(See Back of Page for Part 3)

3. Using the table below what is the identity of the rock?

Density Values of Possible Minerals

Mineral	Density
Barite	4.48 g/mL
Carnallite	1.61 g/mL
Galena	7.6 g/mL
Talc	2.75 g/mL
Hematite	5.26 g/mL

Answer: Talc because it has a density closest to our estimated density of 3 g/mL