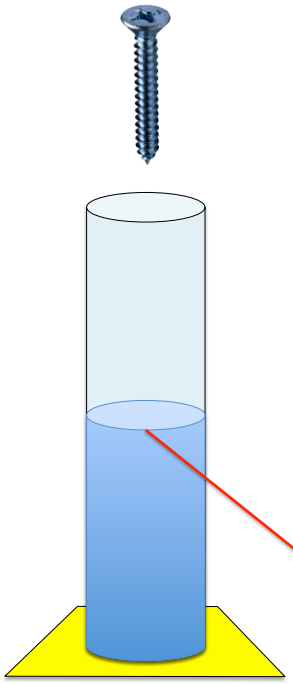


YOUR TASK

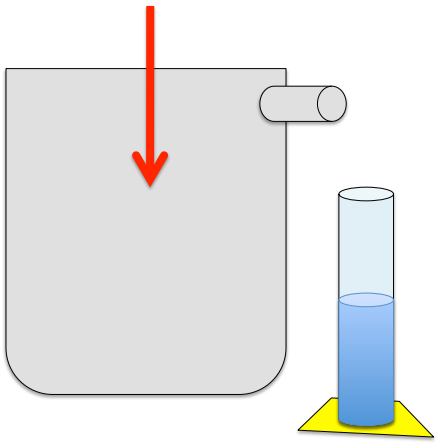
Measure the volume of a large screw _____
Measure the volume of a 10g mass_____
What is the screw's density?_____

A paper clip is too small to accurately measure its volume. Come up with a method that can be used to determine the volume of one paper clip. Write it down in your notebook.

What is the volume of a single paper clip_____

Read at the base of the **meniscus!**
Keep it flat, read at eye level!

CLASS ACTIVITY



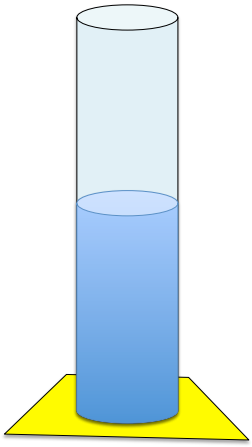
Determine the density

- a rock:
- a 200g mass
- a 500g mass

- What metal is the mass made of? (use the internet to look up your density value).

DENSITY

CLASS ACTIVITY



•Determine the mass in grams of the following volumes of water:

VOLUME (ml)	MASS (g)
5	
20	
32	
40	
46	
50	

Pattern?

Density and Flotation

- **Task:** Given 3 eggs, salt, water, and 3 beakers, make it so that one egg sinks, one egg floats and one egg stays suspended in the middle of the water.

- Objects sink or float based upon density.
- If an object is less dense that water ($p < 1 g/cm^3$) it will float.
- If an object is more dense than water ($p < 1 g/cm^3$) it will sink.