# Beakers

# Lab Equipment

AP Chemistry

# Used to contain, not measure

Many sizes
 1000 mL
 600 mL
 400 mL
 250 mL
 100 mL
 50 mL



# **Erlenmeyer Flasks**

- Used to contain not measure.
- Many sizes
- 2000 mL
- 100 mL
- 500 mL
- 250 mL
- 125 mL
- 5 mL
- Why not just use a beaker?!



## **Florence Flasks**

Used in organic chemistry for distillation procedures
 Cousin of the round bottom flask...



# **Filtering Flask**

 Used for vacuum filtration with funnel and filter paper or other specialized funnel



# Test Tubes



For testing things...

### **Disposable Transfer Pipets**

- Used to transfer liquid, not to measure
- □ Sometimes have volume increments on them...silly biologists



### Eudiometer

Measures amount of displaced water/gas

Can be used to measure the pressure of collected gas over water

50 mL
 Increments of 0.1 mL
 Read to 4 sig figs



### Volumetric Flask

- Used to accurately measure a single volume when preparing solutions
- TC vs TD

Many sizes 1000 mL

- □500 mL
- □250 mL
- □ 100 mL □ 50 mL
- □10 mL
- ∎5 mL
- ∎1 mL



# Graduated Cylinders

- Measures volume (mL)
- Many sizes with varying degree of uncertainty
- 1000 mL increments of 10 mL
- □ 500 mL increments of 5 mL
- 100 mL increments of 1 mL
- 50 mL increments of 1 mL
- 10 mL increments of 0.2 mL



### **Volumetric Pipets**

- Measure a single volume higher accuracy, especially for smaller volumes or analytical chem
- Use with bulb to draw liquid up
- 🗖 20 mL
- 🗖 10 mL
- 🗆 5 mL
- And more!



### Buret

- For titrations (used to determine concentration of an unknown solution using a solution of known concentration)
- 50 mL
   Increments of 0.1 mL
   Read to 4 sig figs



# Deferming Interments of 1 degree Celsius Read to 3 sig figs Our presents of 1 degree Celsius Our presents of 1 de

Clamps and Tongs





