## Measurements Lab

① Pre-lab → Staple on → can leave as hand written

② Calculations → Label + attach.

③ Lab report.

④ Graphs — Attach.

Due FRIDAY

Sep 28-7:56 AM

## Chap⁴ - Aqueas Solns

Solute in a solvent

$H_2O$
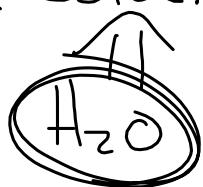
Sep 28-8:40 AM

# MOLARITY $= \dfrac{\text{Moles of Solute}}{l \text{ of Solution}}$

Both solute + solvent

$$M = \dfrac{\text{moles}}{l \text{ of soln}}$$

① Add ½ → ⅔ full of $H_2O$
② Add calculated amt solute
③ fill up to desired level

100ml

solute takes up space.
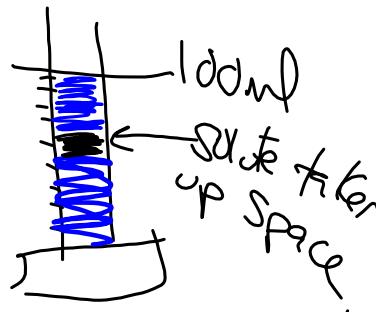
Sep 28-8:45 AM

# Dilution → Add more solvent.

have
150ml  3M  NaCe  Solution

want 2M

$\dfrac{M}{1} = \dfrac{Moles}{l}$

Mole start = Moles end.

$Moles = M * l$

$M * l = M * l$

$(3)(150ml) = (2) ml$

Add 75ml $H_2O$ to dilute

225ml

Sep 28-8:49 AM

Electrolytes — ions "dissolved" in $H_2O$

Sep 28-8:58 AM