Dilution - making a solution less concentrated by adding solvent / increasing solution volume

concentrated → dilute

"stock"

$$M_1V_1 = M_2V_2$$

before	after
higher concentration	lower concentration
smaller volume	larger volume

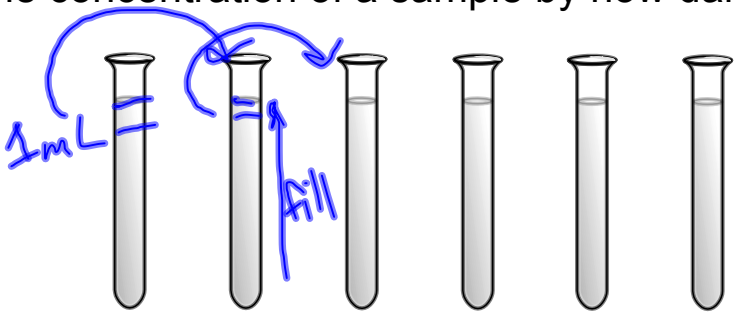
$M_1 > M_2$

$V_1 < V_2$

Apr 15-11:35 PM

Dilution of Solutions lab

- simulates detecting pollution water
- concentration of pollution can determine risks to human health and wildlife
- each test tube will be one tenth (1/10) the concentration of the previous test tube
- determine concentration of a sample by how dark it is



most concentrated → least concentrated

$\frac{1}{1}$ $\frac{1}{10}$ $\frac{1}{100}$ $\frac{1}{1000}$ $\frac{1}{10000}$ $\frac{1}{100000}$

Apr 25-12:02 PM