

Organic chemistry safety map

On the map of the lab provided, indicate where the following items are located: Keep this in your notebook once done.

Note: Some of the items below have a sticker with a letter on it. Write down all the letters you find (there should be 10 of them) and form an important and special 2 word phase that you are to always remember.

Exits
Eye wash
Safety shower
Fire extinguisher
Fire blanket
First Aid box.
Broken glass box
Balances
Dust pan and broom
Merck index
Test tube rack cabinet
Tubing
Clamps
Instrument room
Distilled water
Waste hood
Used Pipet waste box
Aqueous waste jug
Organic solvent waste jug

Lab projects :

1. Obtain a standard glass pipet. Using a 10 mL graduated cylinder carefully draw up 1 mL of water into the pipet. Mark the water level with a piece of tape and keep this in your drawer as a reference to how much 1mL of liquid fills a pipet.
2. Obtain the 'smoke bottle' and squeeze out smoke in front of your hood. Determine how far out from the hood do you need to be in order not to have the smoked sucked into your hood. On your safety map note this distance (in inches)
3. Using the 2 plastic bottles in your drawer make a solution of 1M NaOH and 1M HCl (make about 100 mL of each). Solid sodium hydroxide pellets are by the balances and 6M HCl is in the hood. Be sure to label these solutions as you will use them in experiments throughout the quarter.