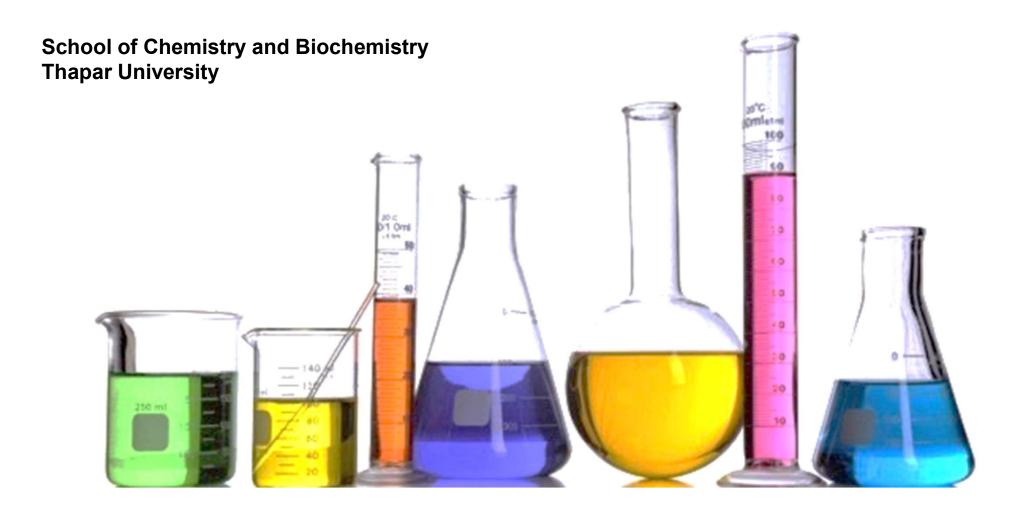
Safety Precautions in a Chemistry Laboratory





Laboratory safety rules are NOT meant to be broken

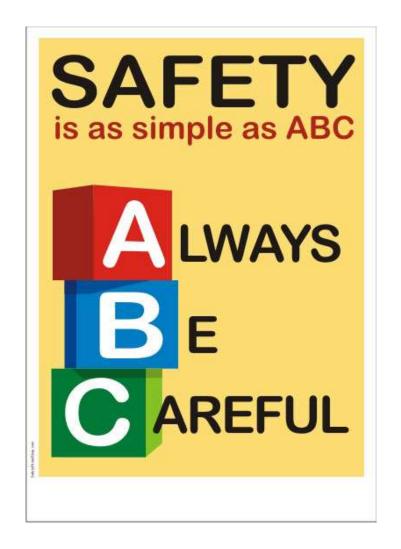


Image courtesy: www.pinterest.com, www.safetypostershop.com



Proper Eye Protection



Always wear safety goggles when working inside a chemistry laboratory



http://knowyourmeme.com/memes/carol-s-safety-goggles www.flinnsci.com, www.chemistry-blog.com

Wear Lab coat/Apron

Approx Timble Acts
Result towards

Lab coat/apron protects you and your clothing

Proper fit apron to be worn since loose clothing can be potentially hazardous

Tie loose hair properly

Acid spill (conc. H_2SO_4 + conc. HNO_3) during nitration reaction

Wear covered shoes





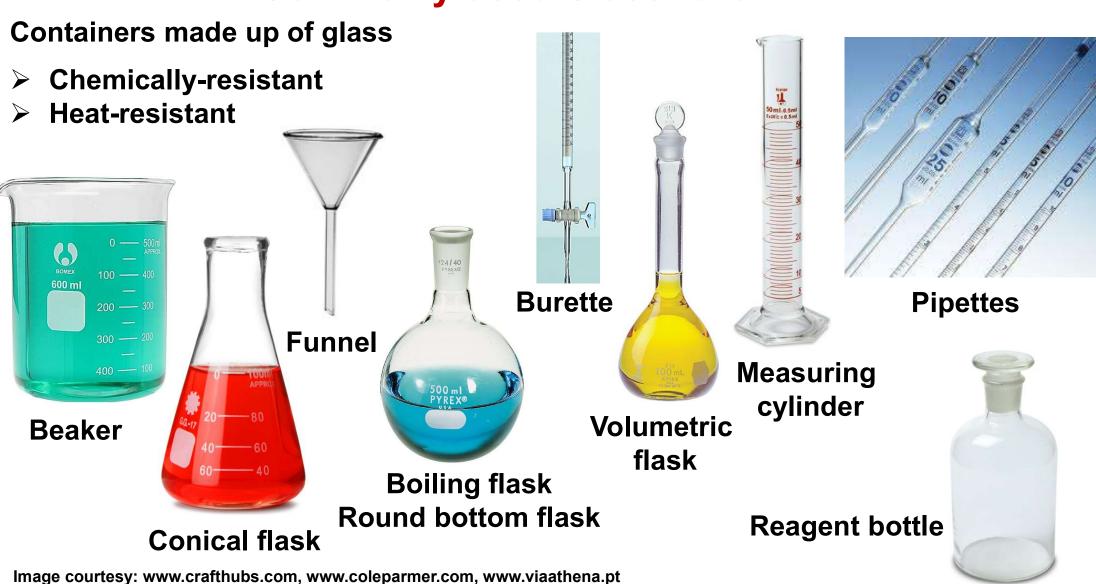






Image courtesy: http://www.chemlabs.bris.ac.uk/outreach/chemnet/Chemnet_safety.html, www.macssgroup.com.au, labphoto.tumblr.com

Commonly-used Glassware



Never eat or drink inside the lab



Do not taste any chemical

Do not smell any chemical directly

For volatile compounds, work inside a fume hood



Image courtesy: http://mymood.altervista.org/learning/learning-english/49-english-for-science/62-lab-safety-rules

Label the chemicals, reagents, solutions properly





Water or Sulphuric acid?

Hazard Pictograms



Extremely

Highly flammable





















New Hazard Symbols

GHS (Globally Harmonized System of Classification **And Labeling of Chemicals)**

Image courtesy: www.onsafelines.com

Do not carry out any unauthorized experiment. Never work alone in the laboratory.

Clean the workplace after use.

Clean any spillage promptly if you know HOW to.

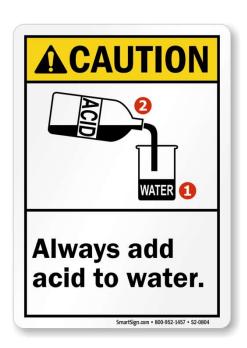
If you don't know, contact your instructor immediately and report the spillage.

Working with Liquids

Mixing of Liquids

NEVER pour water into acid

Pour acid into water



Transferring Liquids

Use glass rod or funnel to prevent splashing/spillage

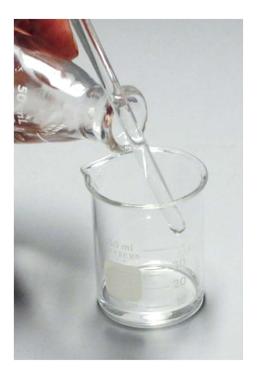


Image courtesy: www.mysafetysign.com, theawesomeworldofchemistry.wordpress.com

Know the safety equipments, their locations and usage









Emergency exit sign

Eye wash fountain

Image courtesy: www.peshcosafety.com, www.gentworks.co.uk, www.firstaidsigns.com Shower with Eye wash fountain

Refer lab manual for additional information

Thank You