Safety and Chemical Waste Management

A Few Words About Safety ...

Common sense and a knowledge of recognized safety procedures are essential when working in the laboratory. Here are a few suggestions:

- ☻ Safety glasses or goggles should be worn at all times in the laboratory. There are no exceptions to this rule.
- ☻ Remember to set up the apparatus as described by me, and recheck setups.
- ☻ Perform no unauthorized experiments and don't distract your fellow workers; horseplay has no place in the laboratory.
- ☻ Provide adequate ventilation particularly when working with solvents or materials which could produce toxic vapours.
- ☻ By and large, flammable materials should be handled with caution and away from flames.
- ☻ Learn the location of safety equipment and be familiar with its use in case of emergency.
- ☻ Never eat or drink in the laboratory.
- ☻ Don't work alone.
- ☻ Most importantly, **think about what you are doing.**

Plan ahead. An unprepared person is more likely to be involved in a potentially accident-developing situation. The laboratory period should be enjoyable.
Use common sense and develop safety consciousness.

Chemical Ecology ...

In the not too distant past, it was common practice to wash all unwanted liquids from the laboratory down the drain and to place all solid waste in the trash basket. Because of environmental reasons this is no longer allowed by law. The law also specifies that, before disposal, all materials classified as laboratory waste must be segregated into different classes, mainly non-hazardous solid waste, organic solvents, and hazardous wastes of various types.

What?	Broken Glass.	Where?	Broken Glass Waste Container.
What?	Organic Liquid Waste.	Where?	Liquid Waste Container,usually in the Fumehood.
What?	Solid Chemical Waste.	Where?	Designated Solid Waste Containers
What?	Inorganic Reagent Solutions	Where?	Wash down the sink with lots of water, unless other instructions given
What?	Student Products.	Where?	Check with me.

If You Are Not Sure, Ask.