**Scientific Processes, Measurement, and Calculations**

 **Travis High School / Mrs. Paul**

1. **Lab Safety:** Common safety equipment for students



2. **Common Safety Labels**:

|  |  |
| --- | --- |
|  | **Flammable liquids:** liquid that can catch fire.In the USA, there is a precise definition of **flammable liquid** as one with a [flash point](http://en.wikipedia.org/wiki/Flash_point) below 100 degrees [Fahrenheit](http://en.wikipedia.org/wiki/Fahrenheit)EX: [Methanol](http://en.wikipedia.org/wiki/Methanol) Flash point (52 °F)[Gasoline](http://en.wikipedia.org/wiki/Gasoline) Flash point (−40 °F) |
|  | Corrosive Liquids: liquids that will destroy or irreversibly damage another surface or substance with which it comes into contact **EX.** Acids , Bleach |
|  | **Radioactive symbol:** the spontaneous emission of energy from unstable atoms undergoing radioactive decay due to an unstable nucleus. |
|  | **Food Irradiation:** the process of exposing food to [ionizing radiation](http://en.wikipedia.org/wiki/Ionizing_radiation)[[1]](http://en.wikipedia.org/wiki/Food_irradiation#cite_note-FI-0) to destroy [microorganisms](http://en.wikipedia.org/wiki/Microorganism), [bacteria](http://en.wikipedia.org/wiki/Bacteria), [viruses](http://en.wikipedia.org/wiki/Virus), or [insects](http://en.wikipedia.org/wiki/Insect) that might be present in the food.  |
|  | **Eye wash Station and Safety Shower:** Emergency **eye wash stations** are required for work environments that may expose employees to harmful chemicals. Though all proper precautions may be taken to prevent chemical exposure, accidents can still happen. Eye wash stations are designed to immediately flush contaminants out of the eyes after exposure. **Showers** will provide a larger volume of water than eye wash stations and can be used to rinse the entire body as well as clothing |
|  | **Fire Blanket inside container:** A large piece of fireproof or fire resistant material, used exclusively to cover and extinguish a small fire |
|  | **Fire Extinguisher** :a manually operated device for extinguishing small fires |
|  | **MSDS (Material Safety Data Sheet)** : a document that gives detailed information about the nature of a chemical, such as physical and chemical properties, health, safety, fire, and environmental hazards of a chemical product. |

3.**Flinn Safety Rules**: read over and have a working knowledge of the rules and regulations listed on the handout.