

1 | BSL x

- BSL 0, treat like normal table, cannot eat, but can drink covered drink
- BSL 1, wear gloves, no eating or drinking
- BSL 2, have to wear gloves and a lab coat, ethenol "shower" when after going into the room.

2 | When going into a room:

- check for the safety features of the room:
 - First aid
 - eye wash station
 - body wash station
 - PPE: gloves and lab coat

3 | Centrifuge

- speed is measured in two was RCF and RPM
 - RCF is G, so the amount of G's or the force
 - RPM is the rotations per minute
- to open hit the open button, to close push the hood down and let it close it self (kind of like a car trunk).
- Three rules:
 1. Always balance your tubes
 2. put the lid on
 3. stay with the centrifuge for the first 10-15 secornds, listen for even sounds and look and feel for no wobble
 - if you hear pops or see/hear wobble then stop the centrifuge

4 | diH2O

- has failsafe, would shut off the machine if it is wet
- dispenses di water, de-ionized
- water, di water, distilled water, ultra pure water
- has a bit of a delay in the remote
- can have it dispense a set amount of water.

5 | Dishwasher

- has radiation and steam cycles
- bottom of the beaker in contact with the spouts
- put things upside down
- everybody's job to get the dishes done
- run dishwasher whenever it is full

6 | Refrigerator

- referred to by their temperature
 - 4 degree, like a fridge
 - -20 degree, like a freezer
 - -80, vaccines and stuff
 - * the danger is freezer burn
 - * try not to touch metal things or glass, if you are going to touch metal then use the gloves
 - * can freeze moisture
 - * label what is in the -80 on the outside
 - * leave door open as little as possible
 - * can touch styrofoam with normal gloves
 - liquid nitrogen
 - * have to wear gloves, lab coat, and goggles
- always put something into a container when you put it into the fridge or store anywhere
- label what is yours when you put it into the fridge
 - there is a protocol for this
- space is money

7 | PCR machine

8 | autoclave

- heats things and shoots pressurized steam at it
- does not clean things, it kills things
- can burn you with steam
- look for the door closed light
- to open it, make sure there is not a countdown, not running (no lights)
 - if the door is not opening easy then do not open it

- stand on the side the door does not open towards
- use tape to see if the thing is actually clean
- always use heat gloves when you are taking things out of the autoclave
- do not close the bottles that go into the autoclave