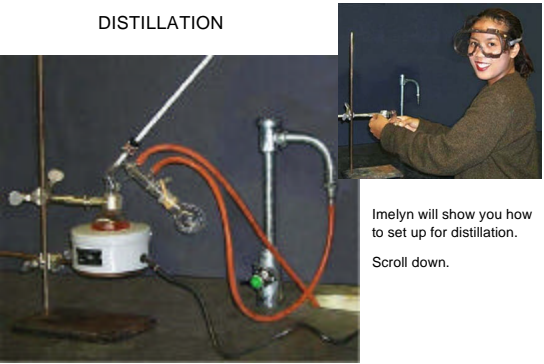



**DISTILLATION**




Imelyn will show you how to set up for distillation.  
Scroll down.

**DISTILLATION STEP #1**



Clamp the distilling flask (the pot) to a ring stand 10-15 cm above bench height.  
Don't forget a boiling stone.

**DISTILLATION STEP #2**



Support a heating mantle of proper size on a ring, and fit the mantle to the flask. Plug the mantle into a Variac with the switch in the off position, and plug the Variac into the wall outlet.

**DISTILLATION STEP #3**




Lightly grease both ground glass joints of the microdistillation apparatus.

**DISTILLATION STEP #4**



Slide an o-ring onto the thermometer and then slide the cap on above the ring.

**DISTILLATION STEP #5**



Screw the cap securely onto the microdistillation apparatus. Connect this assembly to the rbf.  
Adjust the thermometer so that the top of the bulb is level with the bottom of the side arm.

### DISTILLATION STEP #6



Attach the collecting flask with a rubber band slipped over the air vent.

### DISTILLATION STEP #7



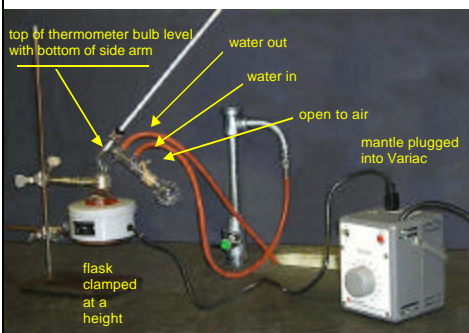
For low to moderate boiling liquids, attach thin-walled hoses to the water jacket. (Liquids boiling above about 150° do not need water-cooling.)

Turn on the water faucet and adjust the flow to a gentle stream.

Then connect the bottom hose to the faucet. Be sure the drain hose is in the sink!

Now it is okay to turn on the Variac.

### DISTILLATION APPARATUS



After the forerun, quickly change the collecting flask to obtain the main cut.

For take-down of the apparatus, see the next slide.

### DISTILLATION TAKEDOWN



Stop distilling with some liquid remaining in the pot.

You may remove the mantle and the collecting flask, but keep the water on and the microdistillation condenser in place until the residue in the pot has cooled to room temperature.