

An Overview of Lab Procedures

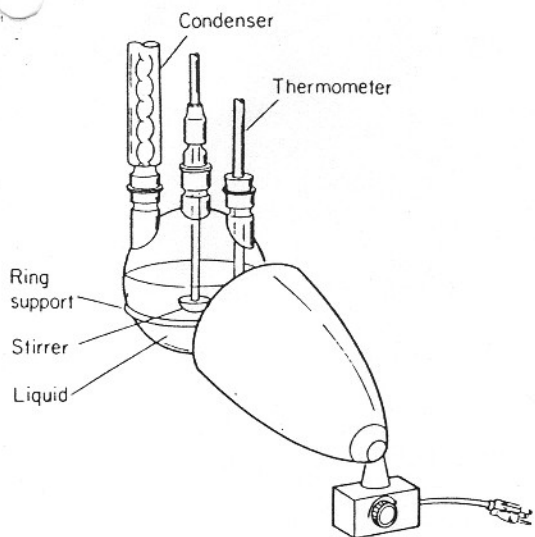


Fig. 1.3. Infrared lamp assembled from an infrared bulb (red), aluminum swivel reflector, dimmer switch, heavy-duty switch box, three-wire lamp cord and plug, and aluminum mounting rod.

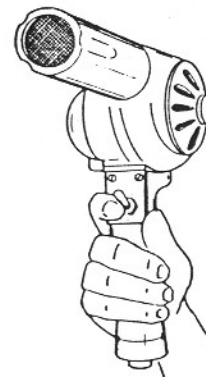
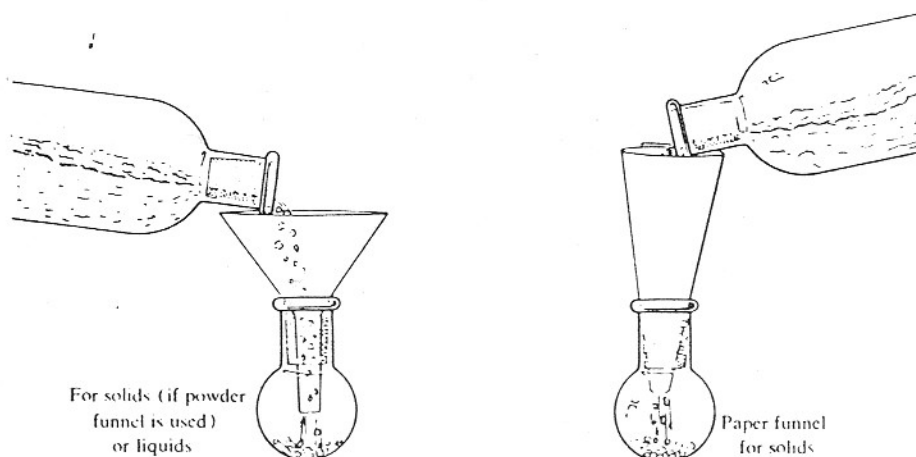
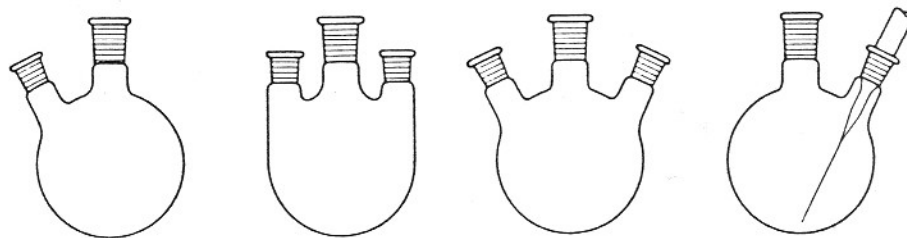
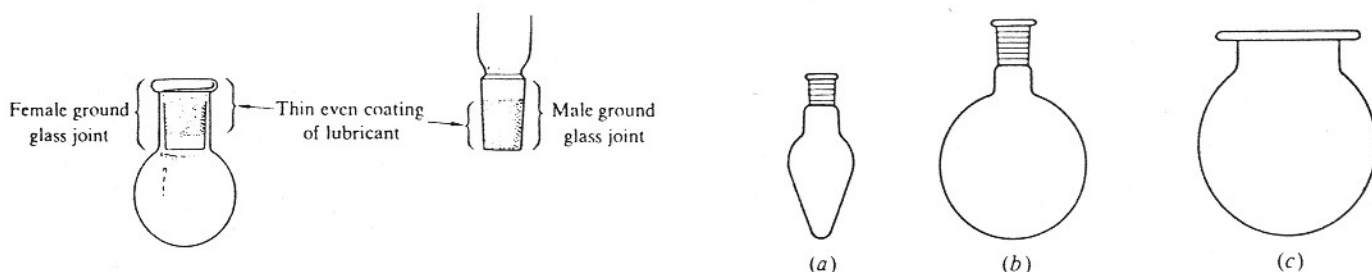
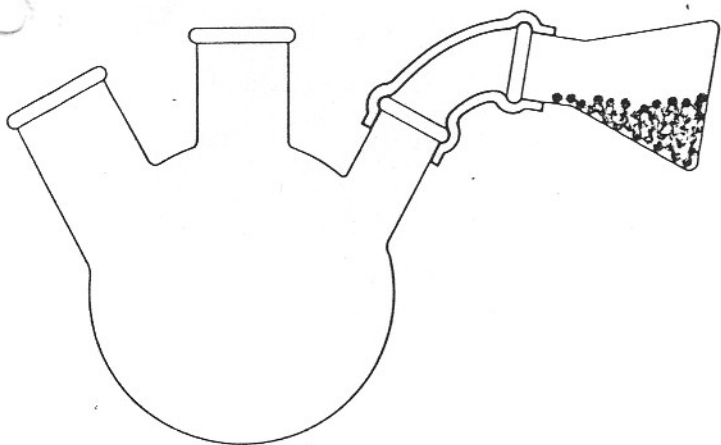


Fig. 1.6. Heat gun.



Transfer of material through a greased joint.

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Addition of a solid to a closed vessel.

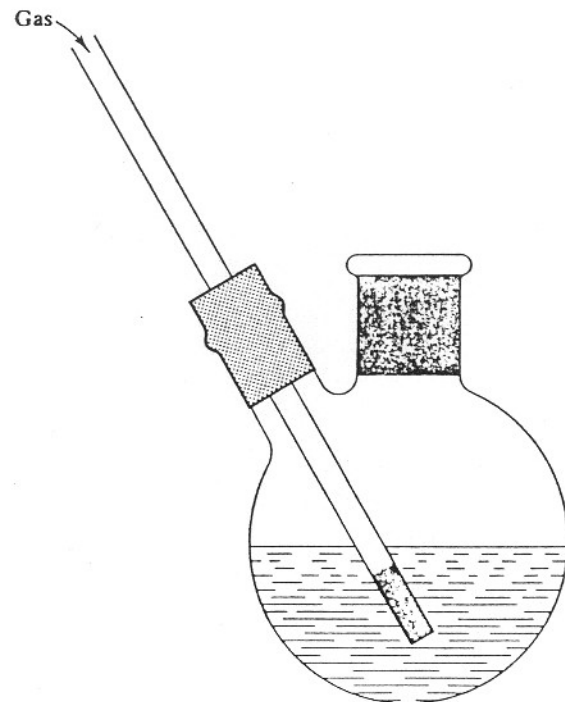
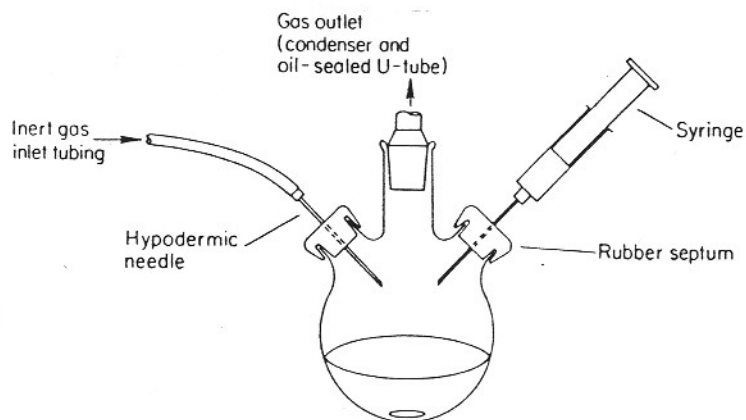
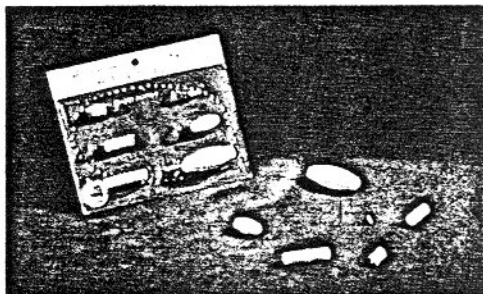


FIG. A3.5. Gas delivery tube in place.

Addition with a syringe. Rubber septums that fit ∇ (standard-taper) joints are available from Aldrich Chemical Company, Inc.



"Utility Mix" Pack

A wild assortment for every stirring purpose. Consists of 1 each:

10×3 mm



$3/8$ "



$1" \times 1/2$ "



$2" \times 3/4$ "



$1 1/2" \times 5/16$ "



$1" \times 5/16$ "

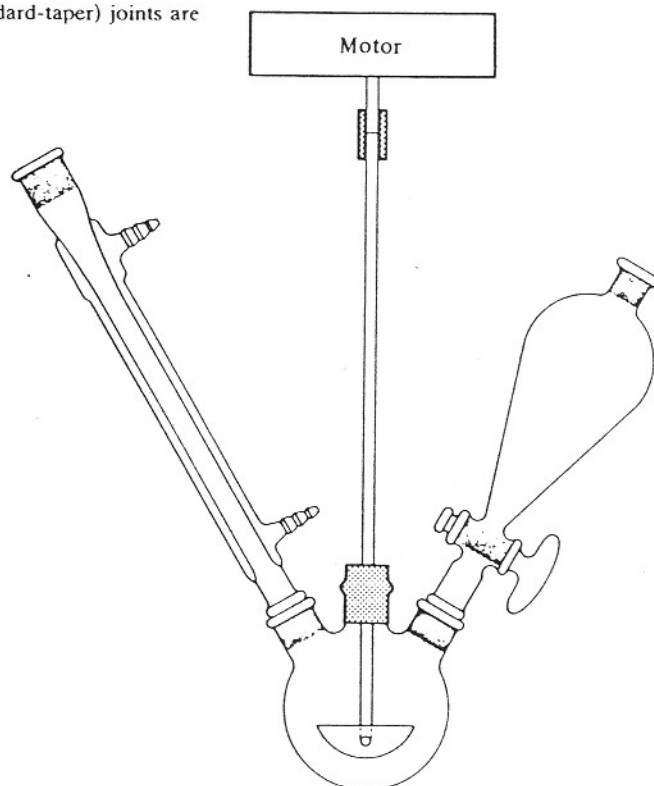


FIG. A3.1. Reaction setup employing mechanical stirring.

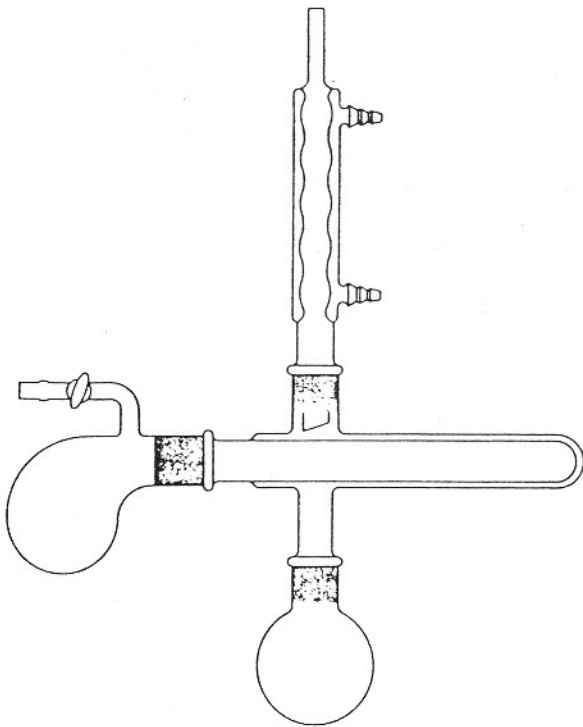


FIG. A3.18. Abderhalden (drying pistol).

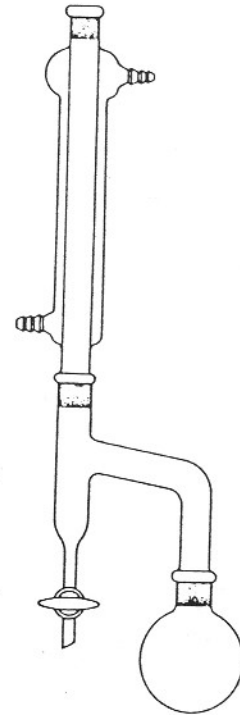


FIG. A3.6. Dean-Stark trap for continuous removal of water.

