Drawing Laboratory Apparatus

Introduction
Sometimes a laboratory experiment will require you to combine several simple pieces of laboratory equipment into an apparatus to carry out some task. Learning to draw laboratory glassware and learning to draw apparatus will improve your ability to describe what you observe and what you do in the laboratory.

Guidelines
All drawings will be done by hand without the aid of a computer.
It is okay to make mistakes.
All drawings must be in ink.
All drawings must be labeled.
Drawings should be clear and large enough to see any necessary details.
Drawings do not have to be artistic.

Draw the following basic shapes:
circles  ellipses  rectangles  triangles  zig zags

Draw the following glassware:
beaker  graduated cylinder  watch glass  Erlenmeyer flask  funnel  filter paper

Draw the following apparatus:
a filtration  a beaker on a hot plate  some liquid in a graduated cylinder
determining the mass of a solid on filter paper  test tube with gas bubbles