

# Laboratory equipment

## Student

**Goal: By the end of the class you will know the main types of laboratory equipment**

### 1. Warm-up questions:

Name the laboratory equipment that you already know?

What kind of equipment have you used already?

### 2. Watch the video and answer the questions:

<https://www.youtube.com/watch?v=A3JxpMU63s>

**Video is here: Questions about the lab equipment: The texts starts after 0:55min**

- 1) What are the three types of glassware used in a lab?
- 2) What are beakers used for?
- 3) What is the official name of the flask?
- 4) Why do we do chemical reactions in flasks but not in beakers?
- 5) What kind of glassware do we use for measuring the volume of something?
- 6) What are test tubes used for?
- 7) What are crucible tongs used for?
- 8) How do we pick up hot beakers?
- 9) What kind of equipment do we use for heating something?
- 10) How do we heat a crucible?
- 11) How do we light a Bunsen burner?
- 12) What do we use a scoopula for?
- 13) How do we filter solid out of a liquid?
- 14) How do we stir things in a lab?
- 15) Why shouldn't we use a mercury thermometer in the lab?

### 3. Matching task:

**Match the words with the definitions**

1. Beaker	a) Used for storing, mixing, and heating small amounts of chemicals.
2. Flask	b) a container in which metals or other substances can be heated to a very high temperature.
3. Graduated cylinder	c) device for combining a flammable gas with controlled amounts of air before

	ignition; it produces a hotter flame that would be possible using the ambient air or gas alone.
4. Test tube	d) it is placed on the support ring that is attached to the retort stand between the Bunsen burner and the glassware to support the beakers, flasks, or other glassware during heating.
5. Crucible	e) a glass or plastic container with straight sides that is used in a laboratory
6. Bunsen burner	f) a glass cylinder that has lines printed on the side of it showing how much it contains, used by scientists.
7. Wire gauze	g) a laboratory funnel used for separating solids from liquids via the laboratory process of filtering.
8. Watch glass	h) a piece of laboratory equipment used to mix chemicals
9. Filter funnel	i) glass container for liquids with a wide base and a narrow neck, used in scientific work.
10. A glass stirring rod	j) <i>a round piece of glass used in laboratories as a surface to evaporate liquids, for weighing solids, for heating substances or powders and as a cover for a beakers to prevent dust or any other particles entering the beaker</i>

#### 4. Alias with lab terminology

Alias with lab terminology: One student describes an item to a deskmate and the other student names the item in English.



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