

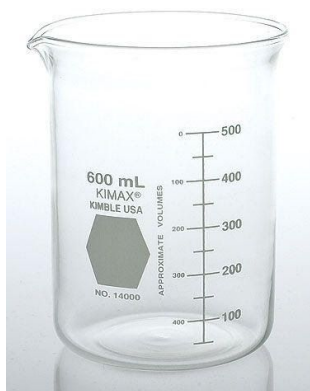
# Things In The Lab: Grade 7: Lesson 1

## HOW A SCIENTIST WORKS

Welcome to this lesson! In this lesson we will be learning about things that are found in a laboratory, and safety practices for working in the lab!

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- 1) There are many items found in a laboratory, but in this lesson, we will narrow it down to some key equipment. These are: beakers, measuring cylinders and Bunsen burners. Images of these are shown below.



- 2) **Now, we will have a listening exercise. Afterward, you will answer some questions.**

A Beaker, Measuring Cylinder and Bunsen Burner are some of the first equipments that you are introduced to, when working in a lab. They each have different functions. A beaker is a container, used to hold and mix liquids. A measuring cylinder is used to measuring the volume of liquid. A Bunsen Burner is used to provide a single, continuous flame, used for heating things in the lab. Some other lab equipments are: test tube holder and test tube rack, Petri dish, dropper and much more.

### **2.1) Please answer these questions.**

- What is the purpose of a Measuring Cylinder?
- What is the Purpose of a Bunsen Burner?

- What is the purpose of a Beaker?
  - List three other equipments found in a laboratory.
- 3) **Video Exercise: You will view two videos, that will help you to understand Rules and Safety within the Lab.**
- 1: <https://youtu.be/BRDApYgyDqQ>  
 2: <https://youtu.be/MEIXRLcC6RA>

3.1) Now that you have watched the information videos, please do the exercise below.

Populate this table with at least 5 Lab Rules that you have learnt. Feel Free to add more, if you like.

NUMBER	LAB RULE
1	
2	
3	
4	
5	

**3.2) FUN FACT:** *Pyrex is the material used in most Glass Items in the lab. It is used in the lab, because it has unique properties of high resistance to chemical exposure, heat and other things, that normal glass would not be able to withstand.*

- 4) **SCRATCH CHALLENGE:** Safety Rules are not all there is to safety in a lab. For your Scratch Challenge, you will have to create an animation that explains the different safety signs in a lab. You can include no more than 5 safety signs.

**Here are some useful resource links:**

<https://www.dummies.com/programming/how-to-add-sound-for-a-scratch-character/>

<https://youtu.be/BdBV-Cy9fNg>

<https://youtu.be/KX9qzn8lk14>

