

# Principle of Microbiology (Practical)



University of Anbar

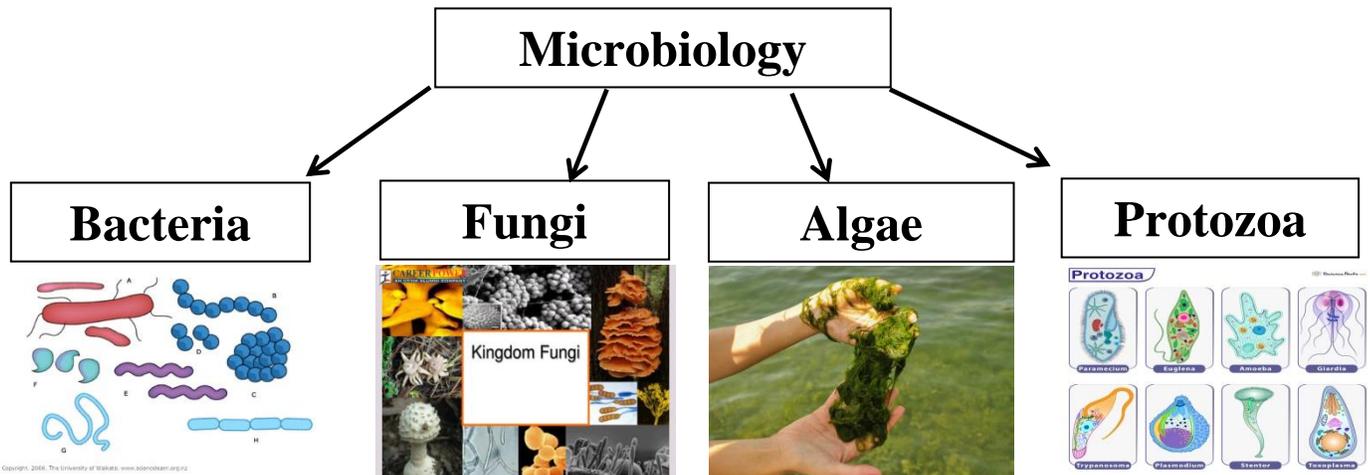
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**Microbiology** is the study of living organisms of microscopic size, which include bacteria, fungi, algae and protozoa.

**Microbiology lab.** is a place to grow and study tiny organisms, called microorganisms



## Why is Lab Safety Important?

Lab safety rules and symbols are needed so that students do not injure themselves or their classmates.

### ❖ Lab Safety Rules

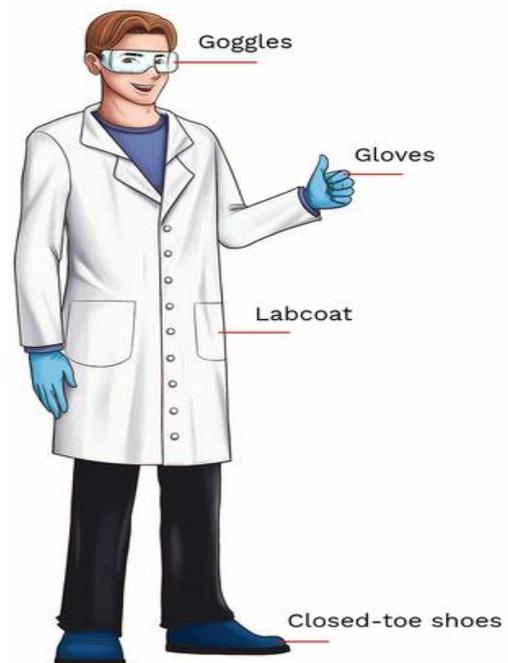
#### 1-Wear protective clothing.

a-goggles

b-gloves

c-lab coat

d-shoes



2- Do not eat food or drink water in the lab. do not use lab glassware as food or water containers

3- Avoid touching objects (e.g., cell phones)



4- Do not touch, taste or smell the chemicals.



The Palm



The Nose

5- Keep a clean working environment.



**6- Hands should be washed frequently.**



**7- Label everything clearly.**



**8- Inoculating loops and needles should be flame sterilized in a Bunsen burner before you lay them down.**



9- Sterilize equipment and materials.

10- Dispose of all solid waste material in a biohazard bag and container.

11- Do not take any cultures out of the lab for any reason.

## ❖ Laboratory Safety Signs



Harmful



Explosive



Corrosive



Dangerous  
for the  
environment



Flammable



Toxic



Oxidizing



Radioactive



Biohazard



Poison



Oxidizing



General danger



Explosive



Flammable



Electrical hazard