### \*The importance of Biology

- → Enable us to:
- Understand ourselves and our surrounding environment.
- Understand the interaction between living things and the environment.
- In Biological research, benefits include:
- A better understanding of how human body functions
- Finding cure for diseases
- Saving endangered species which are on the verge of extinction
- A better management of problems related to environment

# \*BRANCHES OF BIOLOGY

# Biology is simply the study of life.

- \*Biology is concerned with all living things.
- There are many branches of biology.
- •Every one is study of a group of organism.



### ZOOLOGY

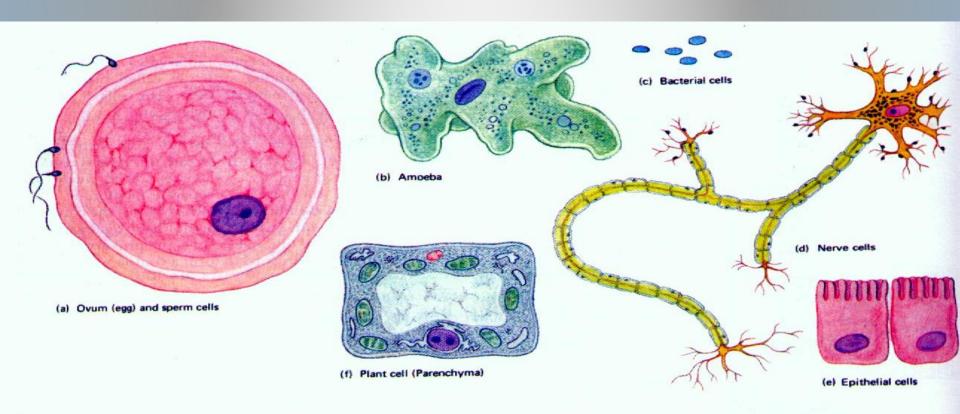


- This science study the animals, including classification, physiology, development, and behavior
- Who does make the observation about zoology is called Zoologist.

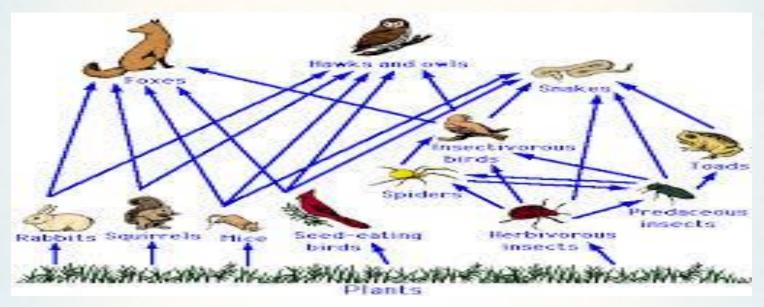
# BOTANY

- Botany is concerned with plants
- •Who does make the observation about the botany is called Botanist.

 the study of the cell as a complete unit, and the molecular and chemical interactions that occur within a living cell



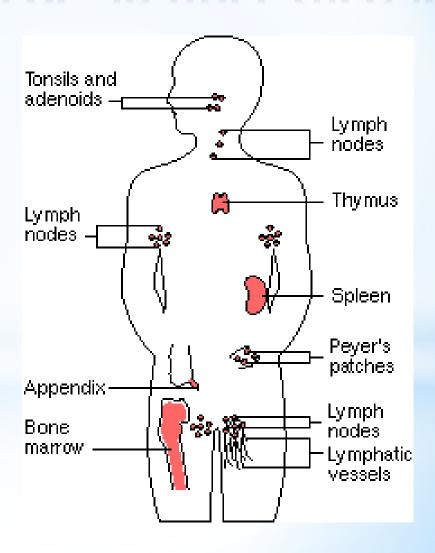
# \*Ecology



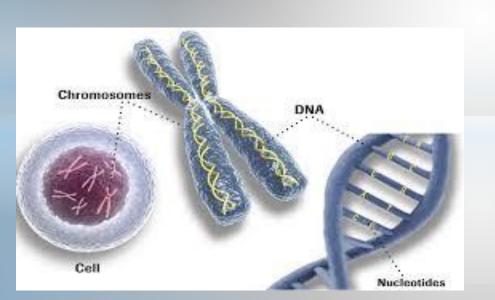
- Ecology is the science which studies the releationship of living things between each other and their environment.
- •Also ecology is concerned with pollution.

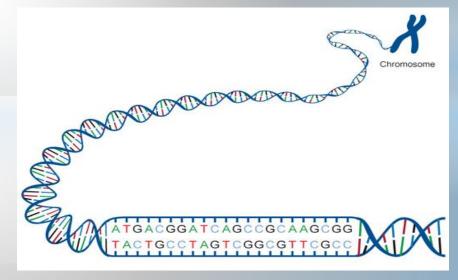
  Such as air and water pollution

\*Immunology - deals with the body's defenses against disease



•Genetics is the study of how features is passed to offspring from their parents.





### Biotechnology



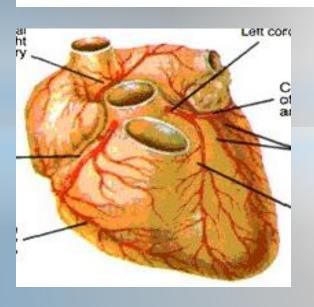
 Biotechnology - the branch of biology dealing with recombinant DNA research and applications

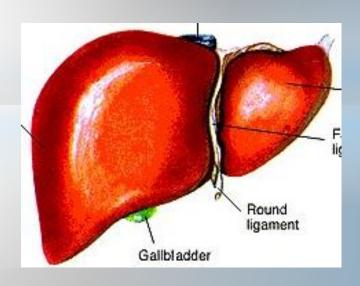




### \*ANATOMY

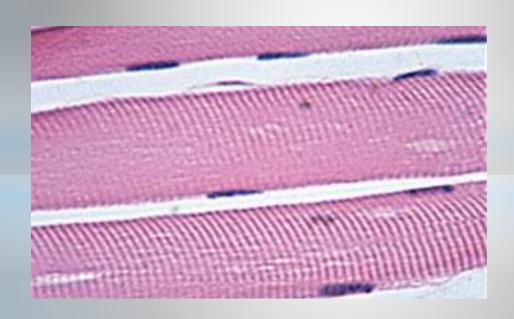
Anatomy is the study of the inner organs of the body (kidney, hert, liver etc.)





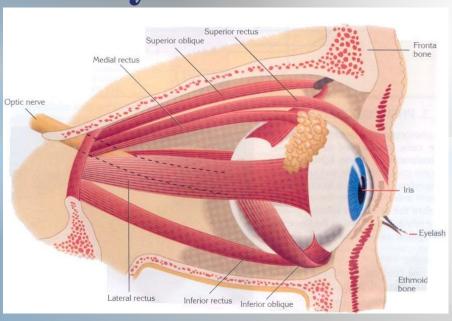
# \*Histology

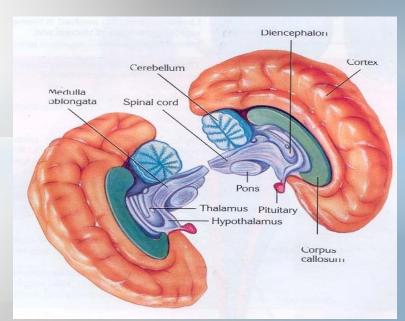
### Histology – the study of tissues



# \*Physiology

Physiology is concerned to study the function and activities of tissue, organs and systems.



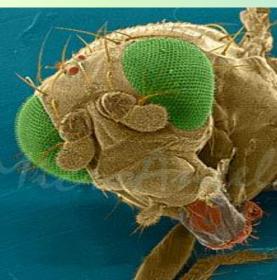


# morphology

Morphology is concerned with phenotype (Apearance) of living things.







# embryology 1









### Embryology -

deals with the development of embryos of organisms and their features Embryology studies the developmental patterns of organisms from zygote to birth.

# taxonomy

- Taxonomy is the study of the classification of living organisms.
- Classification is made groups of organisms.
- •Given the scientific name for the organism



# ORNITHOLOGY

Ornithology is the study of birds.







**BIOLOGY TEAMS - SMAM** 

# \*ENTOMOLOGY

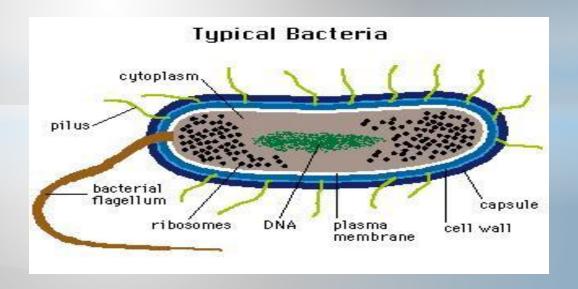
- Entomology is the study of insects.
- Such as mosquito and spider





### \*Microbiology

 Microbiology is the study of microscopic organisms (microorganisms) and their interactions with other living thing



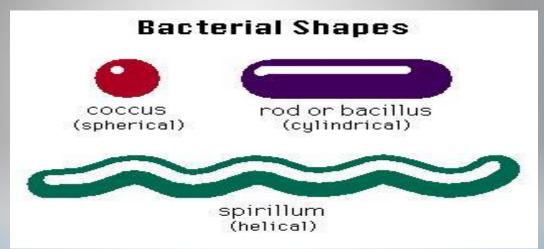
## \*PARASITHQLQG

- Parasithology is the study of parsites.
- Parasites are harmful organisms for living things.



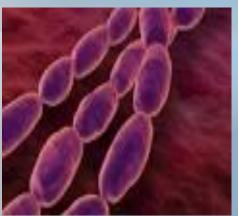
# \*Bacteriology

### Bacteriology is the study of bacteria









# \* Mycology

•Mycology is the study of fungi.



# \*Virology

•Virology is the study of viruses.

