

### Characteristics of Living Things:

- Movement.
- Respiration.
- Sensitivity.
- Growth.
- Reproduction.
- Excretion.
- Nutrition.

### Levels of Classification

- Kingdom.
- Phylum.
- Class.
- Order.
- Family.
- Genus.
- Species.

Species: a group of organisms that can reproduce to produce fertile offspring.

### Binomial System

- System of naming species.
- Two parts showing the genus and species.

*Genus species*

### Kingdoms of Life

- Prokaryotes.
- Protocist.
- Fungi.
- Plants.
- Animals.

### Kingdom Prokaryotes

- Often Unicellular.
- No nucleus.
- Murein cell wall
- No mitochondria.
- Some photosynthesize.
- Some are harmful eg:Cholera & tuberculosis.
- Some play role in the carbon/nitrogen cycle.
- Some are used in biotechnology eg:treatment of sewage & making insulin

Bacteria: Single, very small cell, no true nucleus but have a cell wall.

### Kingdom Protocist

- Mostly unicellular but some are multicellular. eg: seaweed.
- Have nucleus.
- Some are plant-like w/ chloroplast & cellulose cell walls others are animal like.
- Some are autotrophs others are heterotrophs.
- eg: Algae, Protozoa & Slime moulds.

