Characteristics of Life

Biology is defined as the study of life

- **❖** Biologist study:
 - ➤ Interactions between living things
 - > Interactions between living things and their environment
 - > Finding solutions to scientific problems or question

One living things is known as an organism. For any organism, it must have five specific characteristics in ordered to be considered living.

- ❖ 7 Characteristics of living things:
 - ➤ Organization
 - Every living thing has to be made up of a cell or cells, which is but a unit of life cell, which is the basic unit of life.
 - Unicellular- one cell organism

 - Multicellular- multiple cell organism
 For example: plants
 - Every living thing has **North in SNA**, which is genetic information. Or the basic build ng lock for all living things.
 - Reproduction
 - means to fine
 - Species are a group of similar organisms that can interbreed and have fertile offspring.
 - Essential for survival
 - > Growth & Development
 - Growth- the organism increases in size
 - Development-maturing/undergoing stages
 - ➤ Homeostasis
 - Maintaining an internal balance within the organism.
 - If this doesn't happen then the organism will die
 - For example: when your are hot, you sweat.
 - For example: When you are hungry, your stomach growls.
 - > Adaption
 - Any characteristic or trait that help an organism be able to survive in it's environment
 - Stimulus- any change that causes a reaction
 - For example: Fly in your face
 - Response- one's reaction to a stimulus