



Characteristic of life :

Various characteristics describe most living organism from nonliving things :

1- Living organism have cells: either one or more cells. Most cell are to small to be seen with the naked eye. Some organisms are made up of trillions of cells. Living organism have DNA

2-Living organism are able to grow: it involves using food to produce new cells. The permanent increase in cell number and size is called growth.

3- Living organism are able to respire: living organism break down food within their cells to release energy for carrying out the following processes

4-Interact : all living organisms have the ability to sense change in their environment and respond to that change. A change that affects the activity of the organism is called a stimulus (Plural, stimuli).

Stimuli can be chemicals, gravity, light, sounds, hunger.

Stimulus: anything that causes a reaction or change in an organism or any part of an organism.

Homeostasis: the maintenance of a constant internal state in a changing environment to survive.

5-Move : all living organism move.

6-Need nutrients: living organism take in materials such as protein , carbohydrates and fats. from their surroundings for growth or to provide energy.

7-Excrete: all living things excrete. As a result of many chemical reaction occurring in cells.

Excretion is defined as the removal of toxic materials .

8- Living organism reproduce: all living organism have the ability to produce offspring.

9- Death : the end of the cell.

