

- 1). Plants have no organs of movement
Animals have organs of movement
- 2). Plants: slow response to external stimuli
Animals: fast response to external stimuli
- 3). Plants: Entire body exchange gases
Animals: special organs exchange gases
- 4). Plants: No sense organs
Animals: Specialised sense organs
- 5). Plants: Possess large vacuoles containing cell sap
Animals: No large vacuoles
- 6). Plants: Most green plants carry out photosynthesis
Animals: Do not carry out photosynthesis

Photosynthesis is a process which takes place in the chloroplast where green plants manufacture their food in the presence of sunlight.

CELL

Living things (plants and animals) are made up of cells.

What is a cell?

A cell is the basic, simplest, structural and functional unit of a living organism because it carries out all life activities such as feeding, movement, excretion, respiration, reproduction etc.

HISTORY OF CELL

The following scientists explained what a cell is:

1). Robert Hooke (English Scientist)- He also known as the *father of cells*. He defined cell as a 'small room'. He first discovered the honey-comb structure of a cell in 1665. In his book 'Micrographia', he described his observations of a magnified thin slice of a cork of an oak tree where he established that the cork is made up of small rooms.

2). Felix Dujardin (French Biologist)- In 1835, he discovered that the cell is made up of living substances. He therefore defined a cell as the living substance protoplasm.