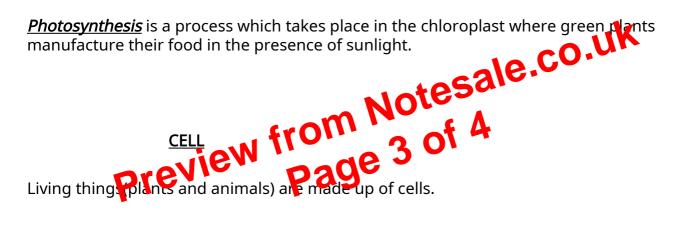
- 1). Plants have no organs of movement Animals have organs of movement
- 2). Plants: slow response to external stimuli Animals: fast response to external stimuli
- 3). Plants: Entire body exchange gases Animals: special organs exchange gases
- 4). Plants: No sense organs Animals: Specialised sense organs

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



What is a cell?

<u>*A cell*</u> 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). <u>Robert Hooke(English Scientist)</u>- He also known as the <u>father of cells</u>. He defined cell as a 'small room'. He first discovered the honey-comb structure of a cell in 1665. In his book '<u>Micrographia</u>', 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 <u>small rooms.</u>

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