

**WORKSHEET 4 (LESSON 1)**

1. There are several component of cell present in the protoplasm of each one is known as  
(a) Organ (b) Organelles (c) Cell wall (d) None
2. Which cell organelles are absent in animal cell.  
(a) Plasma membrane (b) cell wall (c) Nucleus (d) Mitochondria
3. The protoplasm between the nucleus and plasma membrane is known as  
(a) Protoplasm (b) Nucleoplasm (c) Cytoplasm (d) Cytosol
4. Who discovered nucleus  
(a) Robert Hooke (b) Robert Brown (c) Schwan (d) Robert Koch
5. Who discovered free living cell for the first time?
6. How did the term cell originate?
7. How the discovery of electron microscope contributed to the study of cells?
8. What does rough endoplasmic reticulum help to synthesis?
9. What would happens in an onion peel is kept in the following solution:-  
(a) Hypotonic solution (b) Hypertonic solution
10. How do substance like CO<sub>2</sub> and water move in and out the cells? Discuss?