

# **BRAIN INTERNATIONAL SCHOOL**

**Biology Assignment**

**Class IX**

**April '18**

## **CH: The Fundamental Unit of Life**

1. Explain isotonic, hypotonic and hypertonic solution.
2. What happens when a plant cell is kept in hypotonic and hypertonic solution? Give two examples for each from your daily life.
3. Draw the diagrams of a prokaryotic cell, an animal cell and a plant cell.
4. What is diffusion? Give two examples where this process occurs within human body.
5. Differentiate between smooth E.R and rough E.R.
6. Write the function of Golgi bodies.
7. Name the plastid that contains chloroplast.
8. What is the main function of leucoplast?
9. Give the major functions of vacuoles in plant cell.
10. Fungi and Bacteria can exist in hypotonic media without bursting. Why?
11. What are the components of plasma membrane?