



STEPPING STONE  
SCHOOL (HIGH)

**CLASS :6**

**Subject: Biology**

**Date:3 /07/2020**

**Topic: Ch – 3 Cell- The Basic Unit of Life**

**Time Limit: 40 Mins**

***Worksheet No. 15***

- Please read the chapters from your text book and the attached notes.
- Then work out the exercises neatly in your notebooks henceforth.
- Ensure neat and tidy work.
- Do not write above the **red line** of the notebook pages.
- Use **interleaf** notebook and write with **blue ink**.
- The allotted notebooks should be **two** in number
- Make a content page first with columns under the heads as given below:

**CONTENTS**

Date	Worksheet No.	Chapter No. and Name	Page No(s)	Teacher's signature

**Good day children, in our previous class we discussed about definition of cell, discovery of cell, cell theory and cell diversity. Today let us learn about the three common structures of all living cells such as:**

- Cell membrane
- Nucleus
- Cytoplasm

**Instruction:- Please go through the video link given below to understand the concept of basic structures of cell.**

<https://drive.google.com/file/d/1PwRkL-D5-yhrJcftfm7glDgdCMu70LMk/view?usp=sharing>

1. **Cell membrane**:- It encloses the living and non- living substances within the cell. It is living and selectively permeable.

2. **Nucleus**:- It controls and regulates the functions of the cell and as such is also known as brain of the cell.

3. **Cytoplasm**:- It is a homogenous( having uniform composition) and colourless liquid – like substance that lies between the nucleus and cell membrane of the cell. It contains living parts called cell organelles and some non- living parts called cell inclusions .

Unlike the animal cells the plant cells are characterized by the presence of a rigid **cell wall** Outside the cell membrane . It is non- living in nature and is freely permeable.

**Protoplasm**:- It is a living matter made up of elements like carbon, oxygen, hydrogen, etc. and also simple compounds. It is transparent and jelly – like in nature and if removed from the cell, the cell dies. It is divided into two parts---- cytoplasm and nucleus.

### ASSESS YOURSELF

#### Q1) Name them.

1. A non- living outer covering of the plant cell.----
2. A selectively permeable living membrane of a cell.----
3. The brain of the cell.----
4. A homogenous ,colourless and semi- fluid substance that forms the main bulk of the cell.---
5. The cytoplasm together with nucleoplasm is known as----

#### Q2) Answer the following questions:-

1. Name the three basic structures found in both plant cell as well as animal cell.
2. What is protoplasm? What are it's constituents?
3. Why is cell membrane called selectively permeable membrane?
4. Why is nucleus called the brain of the cell?
5. Write the differences between cell membrane and cell wall.

*That's all for today children, have a nice day!!*