

VATSALYA SR. SEC. SCHOOL

CLASS - IX

BIOLOGY

Monthly Planner

<u>Month/Date</u>	<u>Chapter</u>	<u>Topics</u>
<u>APRIL 2020:</u>		
1st to 4th April -	<u>THE FUNDAMENTAL UNIT OF LIFE</u>	1. Structure of different types of cell 2. Organisation of Cell (Plasma membrane, Cell wall, Nucleus, Cytoplasm)
5th to 8th	<u>THE FUNDAMENTAL UNIT OF LIFE</u>	3. Cell organelles (Endoplasmic Reticulum, Golgi apparatus, Lysosomes)
9th to 12th	<u>THE FUNDAMENTAL UNIT OF LIFE</u>	4. Cell Organelles (Mitochondria, Plastids, Vacuoles) 5. Cell Division

13th and 14th

THE
FUNDAMENTAL
UNIT OF
LIFE

6.Solve Worksheet

CBSE Test Paper 01
Chapter 05 The Fundamental Unit of Life

1. 'Ribosomes' are associated with the synthesis of: **(1)**
 - a. Proteins
 - b. Vitamins
 - c. Carbohydrates
 - d. Fats

2. The cell sap in plant cells consists of **(1)**
 - a. water + organic substances
 - b. both (water only) and (water + inorganic substances)
 - c. water only
 - d. water + inorganic substances

3. Who proposed the Cell theory? **(1)**
 - a. Prophase
 - b. Watson & Crick
 - c. Mendel
 - d. Schleiden & Schwann

4. We generally mount the material in the slide **(1)**
 - a. In the centre of slide
 - b. On the right side of slide
 - c. On the left side of slide
 - d. Both (b) and (c)

5. The cell organelle involved in forming complex sugars from simple sugars are **(1)**
 - a. Endoplasmic reticulum
 - b. Plastids
 - c. Golgi apparatus

d. Ribosomes

6. Which organelle is associated with ribosome formation? **(1)**
7. What is hypertonic solution? **(1)**
8. What is hypotonic solution? **(1)**
9. What is the chemical composition of cell wall in plants and fungi respectively? **(1)**
10. Define diffusion. **(1)**
11. What is a gene? What is its chemical composition and function? **(3)**
12. What is cell division? Give the types of cell division. **(3)**
13. The cells which do not possess a well-defined nucleus. These cells are primitive without having membrane-bound organelles. **(3)**
14. Why are lysosomes known as suicide bags? **(3)**
15. Make a comparison and write down ways in which plant cells are different from animal cells. **(5)**