

# WELLAND GOULDSMITH SCHOOL

## CLASS-VI

### BIOLOGY WORKSHEET

#### CHAPTER 3-CELL

##### SUMMARY:-

- A cell is defined as the smallest structural and functional unit of life.
- Cells were discovered by English inventor and scientist Robert Hooke.
- Knoll and Ruska of Germany designed the first electron microscope
- Cells are mostly microscopic. They are measured in microns.
- Two types of cell are-Prokaryotic and Eukaryotic cell.
- Three main parts of a cell are-Cell membrane, cytoplasm, Nucleus
- Cell membrane is selectively permeable and it protects the internal contents of a cell. In plant cell wall is present in addition to cell membrane. Cell wall is made up of cellulose.
- Cytoplasm is a jelly like substance which contains variety of other cell organelles.
- Nucleus was discovered by Robert Hooke. It has two parts-Nuclear membrane, Nucleoplasm.
- Plastids are only present in plant cell. Three types of plastids are-Chromoplast ,Leucoplast, Chloroplast.
- Vacuoles are present in both plant and animal cell.They create maintain the shape of the cell and also helps in food storage.

**Diagrams-Pg 42 Plant cell and animal cell**

**Learn Fact File,Do you know and Activity 5,6**

**Name them:-**

1. Name the watery solution in vacuole-
2. Name the protein factory of the cell-
3. Nucleus was discovered by-
4. First electron microscope was designed by-
5. A prokaryotic cell-

**Fill in the blanks:-**

1. Full form RNA is \_\_\_\_\_.
2. Mitochondria is also called \_\_\_\_\_.
3. \_\_\_\_\_ is a colourless, dense fluid surrounded by nuclear membrane. It contains \_\_\_\_\_ and \_\_\_\_\_.
4. Name a unicellular organism-\_\_\_\_\_.
5. Plastid which gives colour to flowers and fruits is known as \_\_\_\_\_.

Book questions-Pg43,44(A,B,C,D,E,F,G)