

CELL: THE UNIT OF LIFE
WORKSHEET- 9

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| 1 | Where do you find plasmids? Give one function of plasmid. | 1 |
| 2 | Golgi apparatus remains in close association with E.R. Give reason? | 1 |
| 3 | Name the organelles of endomembrane system? | 2 |
| 4 | Classify bacteria based on their shape. | 2 |
| 5 | Differentiate between gram positive and gram negative bacteria. | 2 |
| 6 | What is cell theory? Who modified the hypothesis of Schleiden & Schwann? | 2 |
| 7 | In a typical prokaryotic cell, explain the structure and function of each of the following:
(1) pili and fimbriae
(ii) mesosomes | 2 |
| 8 | “Fluid-mosaic model of cell membrane” was given by Singer-Nicolson. Explain the structure with help of labelled diagram. | 3 |
| 9 | Name the various types of vacuoles found in cells. Also mention the functions of each. | 3 |
| 10 | With the help of diagram, explain the structure of Mitochondria. | 3 |
| 11 | Classify the types of Plastids found in plant cell. Name the pigments present in chloroplasts. | 3 |
| 12 | Describe the structure of flagellum. Draw a neat labeled diagram. | 3 |
| 13 | Based on the position of the centromere there are different types of chromosomes. Which are they? | 3 |
| 14 | Name the two types of endoplasmic reticulum. How are they different from each other in terms of structure and functions. | 3 |
| 15 | Explain the structure of chloroplast. Draw a neat labeled diagram. | 3 |
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