

ST. ANDREWS SCOTS SR. SEC. SCHOOL
9th Avenue, I.P. Extension, Patparganj Delhi-110092
Session: 2025-26

CLASS: IX	SUB: SCIENCE	BIOLOGY	WORKSHEET
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CELL

1. Why do plant cells possess large sized vacuole?
2. Differentiate between nucleus and nucleoid.
3. Where do the lipids and proteins constituting the cell membrane get synthesized?
4. Define the following terms:
 - a. Cytosol
 - b. Cytoplasm
 - c. Protoplasm
 - d. Nucleoplasm
5. What is exocytosis and endocytosis?
6. What will happen if chloroplast is taken out of the cell and illuminated?
7. Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biosynthesis?
8. How does an Amoeba obtain its food?
9. Which organelle is known as the powerhouse of the cell? Why?
10. What will happen in a cell if its nucleus is removed? Give a reason.