



## BIOLOGY

### NCERT NCERT BIOLOGY(ENGLISH)

### THE FUNDAMENTAL UNIT OF LIFE

All Questions

1. Who discovered cells, and how?



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**2.** Why is the cell called the structural and functional unit of life



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**3.** How do substances like CO<sub>2</sub> and water move in and out of the cell? Discuss



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4. Why is the plasma membrane called a selectively permeable membrane



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5. Difference between the prokaryotic and eukaryotic cells in having



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6. Can you name the two organelles we have studied that contain their own genetic material?



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7. If the organisation of a cell is destroyed due to some physical or chemical influence, what will happen?



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**8.** Why are lysosomes known as suicide bags?



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**9.** Where are proteins synthesised inside the cell?



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**10.** Make a comparison and write down ways in which plant cells are different from animal

cells.



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**11.** How is a prokaryotic cell different from a eukaryotic cell?



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**12.** What would happen if the plasma membrane ruptures or breaks down?



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**13.** What would happen to the life of a cell if there was no Golgi apparatus



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**14.** Which organelle is known as the powerhouse of the cell? Why?



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**15.** Where do the lipids and proteins constituting the cell membrane get synthesised?



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**16.** How does an Amoeba obtain its food?



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**17.** What is osmosis?





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**18.** Which type of cell division is required for growth and repair of body and which type is involved in formation of gametes?



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