



INDIAN SCHOOL AL BURAIMI  
BIOLOGY REVISION

NAME: .....  
STD: IX

DATE: .....  
WORKSHEET 5

1. Explain the process of osmosis and give an example.
2. What are the functions of plastids?
3. Explain the difference between Prokaryotic cell and Eukaryotic cell
4. What are genes? What is the difference between genes and chromosomes?
5. Why are lysosomes called suicidal bags?
6. Write a short note on Plasma Membrane.
7. Why is the inner membrane of Mitochondria folded?
8. Name the smallest and the longest cell in human body.
9. Define nucleoids.
10. Give a single term for:     a) a group related family     b) a group of related classes
11. Why does epidermal tissue have no intercellular space?
12. Give four differences between bone and cartilage.
13. Fill in the blanks with suitable words.
  - The fundamental organizational unit of life is the \_\_\_\_\_.
  - Cells are enclosed by a plasma membrane composed of \_\_\_\_\_ and \_\_\_\_\_.
  - Plasma membrane is a \_\_\_\_\_ permeable membrane.
  - In plant cells, a cell wall composed of \_\_\_\_\_ is located outside the cell membrane.
  - In prokaryotes, the nuclear membrane is \_\_\_\_\_.
  - The \_\_\_\_\_ functions both as passageway for intra cellular transport and as manufacturing surface.
  - \_\_\_\_\_ are membrane-bound sacs filled with digestive enzymes.
  - The \_\_\_\_\_ consists of stacks of membranes bound vesicles that function in the storage and packaging.
  - \_\_\_\_\_ are also known as the powerhouse of the cell.
  - Two types of plastids are present in cell; \_\_\_\_\_ (colourful) and \_\_\_\_\_ (transparent).
  - \_\_\_\_\_ are the storage sacs for solids or liquid contents.
  - All cells arise from \_\_\_\_\_ cells.
  - \_\_\_\_\_ plays a crucial role in detoxifying many poisons and drugs.
14. Draw and label the following diagrams:
  - a) plant cell, b) animal cell, c) prokaryotic cell, d) nerve cell(neuron), e) plant tissues



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