



**Yakeen NEET 2.0 2026**  
**Cell - The Unit of Life**

Duration : 10 Min.

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1. Which of the following cell organelles in non-membrane bound and found in both prokaryotes and eukaryotes?  
(1) Lysosoms (2) Ribosomes  
(3) Centrioles (4) Mitochondria
2. The animal cell is different from a plant cell in having  
(1) Ribosomes (2) Nucleus  
(3) Golgi apparatus (4) Centrosomes
3. The main arena of cellular activities in plant and animal cells is  
(1) Cell membrane  
(2) Mitochondria  
(3) Cytoplasm  
(4) Ribosome
4. The simplest way to distinguish a prokaryotic from a eukaryotic cell is to check for  
(1) a plasma membrane  
(2) a nucleus  
(3) DNA  
(4) proteins
5. **Assertion:** The cells of a human cheek cell have an outer membrane as the delimiting structure of the cell.  
**Reason:** Cell wall is absent in animal cells.  
(1) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.  
(2) If both Assertion and Reason are true but reason is not the correct explanation of Assertion.  
(3) If Assertion is true but Reason is false.  
(4) If both Assertion and Reason are false.
6. Correct statement :  
(1) Nucleus contain chromosome which contain DNA (genetic material)  
(2) Membrane bound nucleus present in prokaryote and absent in eukaryote  
(3) Nucleus and nucleolus absent in prokaryotes  
(4) True nucleus absent in prokaryote  
(5) all are correct except (2) option !
7. Which of the following structure is present only in prokaryotic cell?  
(1) Plasmid (2) Nucleus  
(3) Mitochondria (4) Ribosomes
8. The genomic DNA of a bacterium is  
(1) Circular (2) Linear  
(3) Segmented (4) Rod shaped
9. The genetic material of a prokaryotic cell is known as  
(1) Nucleus (2) Centrosome  
(3) Nucleoid (4) Mesosome
10. Which of the following cell organelle is known as protein factory?  
(1) Lysosome (2) Mitochondria  
(3) Nucleolus (4) Ribosome
11. Which type of vacuoles provide buoyancy to bacteria?  
(1) Sap vacuoles (2) Contractile vacuoles  
(3) Gas vacuoles (4) Food vacuoles
12. Gas vacuoles are found in  
(1) Blue green algae  
(2) Green and purple bacteria  
(3) Bacillus  
(4) More than one option is correct
13. Read the following statements and choose the correct option.  
**Statement A:** No organelles, like the ones in eukaryotes, are found in prokaryotic cells except for ribosomes.  
**Statement B:** Fimbriae are known to help in attaching the bacteria to rocks in streams and also to the host tissue.  
(1) Only statement A is correct  
(2) Only statement A is incorrect  
(3) Both statements are correct  
(4) Both statements are incorrect



- 14.** Arrange the following cells in descending order of their size and choose the correct option.  
***Bacteria, Ostrich egg, Mycoplasma, Human RBC***
- (1) *Ostrich egg* > Bacteria > Human RBC > *Mycoplasma*
  - (2) *Ostrich egg* < Human RBC < Bacteria < *Mycoplasma*
  - (3) *Mycoplasma* < Bacteria < Human RBC < Ostrich egg
  - (4) Ostrich egg > Human RBC > Bacteria > *Mycoplasma*
- 15.** Which of the following structures is NOT found in a prokaryotic cell?
- (1) Nuclear envelope
  - (2) Ribosome
  - (3) Mesosome
  - (4) Plasma membrane
- 16.** Prokaryotic cell does not have:
- (1) Nucleolus
  - (2) Membrane bound organelles
  - (3) Centrioles
  - (4) All of these
- 17.** The genetic material in prokaryotes is:
- (1) basically naked.
  - (2) associated with acidic proteins.
  - (3) enveloped by a nuclear membrane.
  - (4) plasmid.
- 18.** Many bacteria have small circular DNA outside the genomic DNA. These smaller DNA are called:
- (1) Phasmids                      (2) Plastids
  - (3) Plasmids                      (4) Prophage



## ANSWER KEY

1. (2)
2. (4)
3. (3)
4. (2)
5. (1)
6. (5)
7. (1)
8. (1)
9. (3)

10. (4)
11. (3)
12. (4)
13. (3)
14. (4)
15. (1)
16. (4)
17. (1)
18. (3)



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