DR. ADWET'S BIOLOGY TUITIONS

BIOLOGY NCERT XI | CELL - THE UNIT OF LIFE | LECTURE 06 MCQs

1. Which are the major reasons why one would consider increasing the surface area for a given volume?
   (a) Increase absorption
   (b) Increase secretion
   (c) Increase attachment
   (d) All of the above
2. The space between the outer membrane and inner membrane of the mitochondria is called as
   (a) inter membrane space
   (b) outer compartment
   (c) inner compartment
   (d) Matrix
3. The length of the mitochondria is _____ µm
   (a) 0.2 – 1
   (b) 1.0 – 4.1
   (c) 2 – 4
   (d) 5 – 10
4. Mitochondria are
   (a) sausage shaped
   (b) cylindrical
   (c) saucer shaped
   (d) both (a) and (b)
5. The infoldings on the inner membrane of the mitochondrion is called
   (a) Cisternae
   (b) Cristae
   (c) Stromal lamella
   (d) Matrix folds
6. Which organelle is called as the powerhouse of the cell?
   (a) Chloroplast
   (b) Mitochondria
   (c) Chromoplast
   (d) Leucoplast
7. To be visible under the microscope, Mitochondria need
   (a) no staining
   (b) to be specifically stained
   (c) to be removed from cytoplasm
   (d) no preparation whatsoever
8. The space inside the inner membrane of the Mitochondria is also called as
   (a) Inner compartment
   (b) Matrix
   (c) Outer compartment
   (d) Both (a) and (b)
9. Aleuroplasts store
   (a) Starch
   (b) Oil
   (c) Proteins
   (d) Chlorophyll
10. The number of mitochondria per cell is
    (a) always fixed
    (b) variable depending on physiological activity of the cell
    (c) continuously changing for no reason
    (d) very high in an inactive cell
11. The diameter of the mitochondria is _____ µm
    (a) 0.2 – 1
    (b) 1.0 – 4.1
    (c) 2 – 4
    (d) 5 – 10
12. Outer membrane of mitochondria is
    (a) smooth membrane
    (b) continuous membrane
    (c) limiting membrane
    (d) all of the above
13. Mitochondria are _____ than/to Chloroplast
    (a) much bigger
    (b) much smaller
    (c) almost similar in size
    (d) more pigmented
14. Mitochondria have an inner compartment filled with
    (a) water
    (b) proteins
    (c) dense homogenous matrix
    (d) all of the above
15. Both the mitochondrial membranes are
    (a) fused
    (b) smooth
    (c) showing infoldings
    (d) having their own specific enzymes