

Cell: The Unit of Life

- Which of the following is cell within a cell?
A. Peroxisome B. Mitochondrion
C. Golgi body D. All of these
- Which of the following is marker enzyme of mitochondria?
A. Glycolate oxidase
B. RUBISCO
C. Succinate dehydrogenase
D. Alcohol dehydrogenase
- Which of the following cell organelles are semi-autonomous?
A. Mitochondria
B. Chloroplast
C. Leucoplast
D. All of the above
- Which stain is used to visualize mitochondria?
A. Janus green B
B. Crystal violet
C. Saffranin
D. All of the above
- Where are the cristae present?
A. In Golgi complex
B. Inner mitochondrial membrane
C. Outer mitochondrial membrane
D. Mitochondrial matrix
- ETS is found in
A. Thylakoid membrane
B. Inner mitochondrial membrane
C. Inner membrane of chloroplast
D. More than one is true
- How many membranes separate thylakoid lumen from plasmamembrane?
A. 1 B. 2
C. 3 D. 4
- Site of proton accumulation in mitochondria is
A. Matrix
B. Inner mitochondrial membrane
C. Outer mitochondrial membrane
D. Perimitochondrial space
- Porins are found in
A. Outer mitochondrial membrane
B. Outer membrane of chloroplast
C. Thylakoid membrane
D. More than one is true
- Carotenoids are
A. Fat soluble
B. Water soluble
C. Present in chromoplast only
D. Absent in chloroplast
- PS I is found in
A. Appressed region of granal thylakoid
B. Stroma lamella
C. Nonappressed region of granal thylakoid
D. Both B and C
- Which of the following is not associated with outer mitochondrial membrane?
A. Oxysome
B. Porin
C. Electron transport system
D. More than one
- Ribosome found in mitochondria and plastids are
A. 50 S B. 80 S
C. 70 S D. 60 S
- Find out the odd one with respect to mitochondrial DNA
A. Circular
B. Double stranded
C. Naked
D. Associated with histone

15. Site of photolysis of water in chloroplast is
 - A. Lumen of thylakoid
 - B. Stroma
 - C. Grana
 - D. Thylakoid membrane
16. Which of the following stores food in the form of proteins?
 - A. Oleoplast
 - B. Aleuroplast
 - C. Amyloplast
 - D. None
17. Find out the incorrect statement regarding plastid
 - A. Double membrane bound organelle
 - B. Semi-autonomous
 - C. Lack naked DNA molecule
 - D. Has GC rich DNA
18. RUBISCO is found in.
 - A. Mitochondrial matrix
 - B. Stroma
 - C. Grana
 - D. Thylakoid
19. Head part of oxysome is
 - A. Peripheral protein
 - B. Faces towards lumen of thylakoid
 - C. Integral protein.
 - D. Proton channel
20. Which of the following is present in stroma of chloroplast?
 - A. Large DNA
 - B. linear DNA
 - C. AT rich DNA
 - D. None of the above
21. Which of the following is not a component of endomembrane system?
 - A. Golgi body
 - B. Lysosome
 - C. Endoplasmic reticulum
 - D. Peroxisome
22. Endoplasmic reticulum
 - A. Is scattered in cytoplasm
 - B. Made of large tubular structures
 - C. Divides intracellular space into luminal space and extraluminal space
 - D. Both A and C
23. Space enclosed by endoplasmic reticulum is called
 - A. Luminal space
 - B. Locule
 - C. Cytoplasm
 - D. All of the above
24. Which of the following organelle is continuous with outer nuclear membrane?
 - A. SER
 - B. RER
 - C. Golgi body
 - D. Lysosome
25. Which organelle is frequently found in cells associated with active protein synthesis?
 - A. Glyoxysome
 - B. Lysosome
 - C. RER
 - D. Golgi body
26. Steroid hormones are synthesized in
 - A. Golgi body
 - B. Nucleus
 - C. Lysosome
 - D. SER
27. Major site of lipid synthesis in cell is
 - A. SER
 - B. RER
 - C. Golgi body
 - D. All of the above
28. Which organelle is associated with synthesis of sex hormones?
 - A. SER
 - B. RER
 - C. lysosome
 - D. Mitochondrion
29. Which of the following is not a function of RER?
 - A. Synthesis of carbohydrates
 - B. Cleavage of signal peptide
 - C. Glycosylation of protein
 - D. Formation of Nissls granule
30. Which of the following is correct with respect to chloroplast?
 - A. Known as kitchen house of cell
 - B. Stores food permanently in the form of starch
 - C. Contains most abundant protein on earth in its grana.
 - D. All of the above



***Note* - If you have any query/issue**



Mail us at support@physicswallah.org

ANSWERS KEY

- | | |
|---------|---------|
| 1. (B) | 17. (C) |
| 2. (C) | 18. (B) |
| 3. (D) | 19. (A) |
| 4. (A) | 20. (D) |
| 5. (B) | 21. (D) |
| 6. (D) | 22. (D) |
| 7. (C) | 23. (A) |
| 8. (D) | 24. (B) |
| 9. (D) | 25. (C) |
| 10. (A) | 26. (D) |
| 11. (D) | 27. (A) |
| 12. (D) | 28. (A) |
| 13. (C) | 29. (A) |
| 14. (D) | 30. (A) |
| 15. (A) | |
| 16. (B) | |



***Note* - If you have any query/issue**



Mail us at support@physicswallah.org