

1. **Which plastids are colourless?**
 - a. Chromoplasts
 - b. Chloroplast
 - c. Leucoplasts
 - d. All of the above
 - e. None of the above
2. **An unripe green fruit changes colour when it ripens. The reason being:**
 - a. Chromoplasts changes to chlorophyll
 - b. Chromoplasts changes to chromosomes
 - c. Chromosomes changes to chromoplasts
 - d. Chloroplast changes to chromoplasts
 - e. None of the above
3. **The phenomenon where cytoplasm shrink in a hypertonic medium is called:**
 - a. Frontolysis
 - b. Plasmolysis
 - c. Acidolysis
 - d. Allolysis
 - e. None of the above
4. **_____ is called the energy currency of the cell**
 - a. Endoplasmic reticulum
 - b. Oxygen
 - c. ATP
 - d. Mitochondria
 - e. None of the above
5. **_____ is called the powerhouse of the cell**
 - a. Mitochondria
 - b. ATP
 - c. Lysosomes
 - d. Red blood cells
 - e. None of the above
6. **_____ coined the term "cell."**
 - a. Gorbachev
 - b. Himmler
 - c. Robert Hooke
 - d. Anton Von Leeuwenhoek
 - e. None of the above
7. **Which of the following statements is incorrect?**
 - a. Cytoplasm is also known as protoplasm
 - b. Lysosomes are known as the suicide bags of the cell
 - c. Mitochondria has its own DNA
 - d. All of the above are incorrect
 - e. None of the above
8. **Which of the following is not a function of the vacuole in plants?**
 - a. They store toxic metabolic wastes
 - b. They help with the process of cell division
 - c. They help to maintain turgidity
 - d. They provide structurally support
 - e. None of the above
9. **Where are the essential proteins and lipids required for cell membrane, manufactured?**
 - a. Lysosome
 - b. Chromosomes
 - c. Endoplasmic reticulum
 - d. Mitochondria
 - e. None of the above

10. **The process by which water moves through a semi-permeable membrane from a region of high concentration to a region of lower concentration, thereby equalizing water concentration is called:**
- Evaporation
 - Diffusion
 - Osmosis
 - All of the above
 - None of the above
11. **Lysosomes are called suicide bags because**
- It causes the cell to break its cell-membrane, causing death
 - It kills the surrounding cells by releasing enzymes
 - The enzymes are capable of digesting cells
 - All of the above
 - None of the above
12. **One of the following is not true about Cardiac muscles**
- They can be controlled
 - They lack mitochondria
 - Cells are bi-nucleate
 - Found outside the heart such as digestive tract
 - All of the above
13. _____ **is not found in xylem tissues.**
- Sieve tubes
 - Xylem parenchyma
 - Tracheids
 - Vessels
 - None of the above
14. **One of the following is not a function of the stomata**
- Directly participates in the process of photosynthesis
 - Helps with the exchange of gases
 - Helps to create water pressure, forcing water upward
 - All of the above
 - None of the above
15. **Which of the following statements are correct about meristematic tissues?**
- Composed of cells that are incapable of cell division
 - Composed of a single type of cell
 - It is composed of cells that are able to perform cell division
 - All the above
 - None of the above
16. **Which of the following is connective tissue?**
- Ligament
 - Tendon
 - Blood
 - All of the above
 - None of the above
17. _____ **are cemented to one another, forming an irregular layer. These form the outer protective layer of the skin in an animal's body.**
- Connective tissue
 - Muscular tissues
 - Nervous tissues
 - Compound epithelium cells
 - None of the above
18. **Rapid elongation of a bamboo stem is due to**
- Lateral meristem
 - Intercalary meristem
 - Apical meristem
 - Cambium
 - None of the above

19. **The function of dismantling and recycling in a cell is undertaken by**

- a. Nucleus
- b. Chromosomes
- c. Lysosomes
- d. Mitochondria
- e. None of the above

20. **The Nodes of Ranvier are found in:**

- a. Nerve cells
- b. Heart cells
- c. Liver cells
- d. All of the above
- e. None of the above