

Cell - Structure And Functions

Q1: What is the basic structural unit of an organ?

Answer:Cell is the basic structural unit of an organ.

Q2: who discovered cell?

Answer:Robert Hooke

Q3: what is a cell.

Answer:Cell is the building block of life.

Q4: All the multicellular organisms start their life as a single cell. Yes/No

Answer: yes

Q5: what is the other name of Plasma membrane?

Answer: Cell membrane

Q6: Which instrument is used for observation and study of living cells?

Answer: Microscope

Q7: Which cell can be seen by unaided eye?

Answer: Hen egg

Q8: Name some multicellular organisms?

Answer:Human being, Mouse, Cat, and Dog.

Q9: Name some unicellular organisms.

Answer:Amoeba and Paramecium

Q10: what do you mean by pseudopodia?

Answer:Projection of various lengths protruding outside the body of Amoeba is called Pseudopodia.

Q11: Give an example of single cell in human blood which can change its shape.

Answer: White blood cell.

Q12: Which organism can change its shape?

Answer: Amoeba

Q13: Which component of the cell is important for movement of substance both inward and outward of cell?

Answer: Cell membrane

Q14: Which membrane allows the movement between outside and inside of nucleus.

Answer: Nuclear membrane.

Q15: Where is Nucleolus situated?

Answer: Nucleolus is situated inside the nucleus.

Q16: How many cells does the hen's egg have?

Answer: Single cell.

Q17: The component which is responsible for providing structure to cell is\_\_\_\_\_\_\_\_\_\_\_.

Answer: Cell membrane

Q18: colour of Chlorophyll is\_\_\_\_\_\_\_\_\_.

Answer: green

Q19: How many vacuoles do plant cells have?

Answer: single vacuole

Q20: Which component of cell is not present in animals and provides protection to plant cells?

Answer: cell wall

Q21: cell component on which the genes are situated\_\_\_\_\_\_\_\_\_.

Answer: Chromosomes

Q22: Can single-celled organism perform all the basic function that multicellular organism performs?

Answer: yes

Q23: Explain the cellular structure of Nerve cell?

Answer: Long branched.

Q24: size of cell depend upon the size of animal having those cells? True/False

Answer: False

Q25: component which helps to transfer character from parents to offspring is?

Answer: Gene

Q26: At which stage of cell chromosomes can be seen.

Answer: Cell division

Q27: Give the name of cell smallest.

Answer: Bacterial cell.

Q28: Name the cell which is found to be largest.

Answer: Ostrich egg.

Q29: Where is nucleus located in the cell?

Answer: Nucleus is situated at centre of the cell.

Q30: Which part of cell plays central role in its activity?

Answer: nucleus

Q31: Arrange following in ascending order of size: Tissue, Cell, Organ

Answer: Cell, Tissue, Oran