



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET - 3 (SOLUTIONS)

Sub: LIFE SCIENCES Class: IX F. M.: 1X15

Topic: Structure of cell: Nucleus, Cell membrane, Cell wall and cytoplasm

Date: 09.04.20



Choose the correct option:

(1x15=15)

- Animal cell is devoid of the following:
a) Nucleus b) Large vacuole c) cell membrane d) Ribosome
Answer : Large vacuole (b)
- The structural and functional unit of an organism:
a) Cell b) Tissue c) System d) biomolecules
Answer : Cell (a)
- A prokaryotic cell is devoid of a:
a) Cell membrane b) Cell wall c) well defined nucleus d) thylakoids
Answer : well defined nucleus (c)
- The type of lipid found in cell membrane:
a) triglyceride b) branched lipid c) phospholipid d) chromolipids
Answer : phospholipid (c)
- A phospholipid consists of :
a) A non polar head b) polar head c) non polar tail d) Both (b) and (c)
Answer : Both (b) and (c) (d)
- The scientists who proposed the fluid mosaic model of cell membrane are:
a) Danielle and Davson b) Singer and Nicolson c) William Harvey d) Camillo Golgi
Answer : Singer and Nicolson (b)
- Chemically cell membrane is made up of:
a) Protein b) Glycolipids c) Phospholipids d) All of these
Answer : All of these (d)
- The fluid like substance that fills up the cell is called:
a) Protoplasm b) Cytoplasm c) Nucleoplasm d) Protoplast
Answer : Cytoplasm (b)

9. Protoplasm consists of:
a) Only cytoplasm b) cell membrane and cytoplasm c) cell membrane,nucleus and cytoplasm d) cytoplasm and nucleus
Answer : Cell membrane,nucleus and cytoplasm (c)
10. Function of cytoplasm :
a) Shape of the cell b) Seat of metabolic activities c) Rigidity d) Support
Answer : Seat of metabolic activities (b)
11. The cytoplasm consists of the following:
a) salts b) Enzymes c) amino acids d) All of these
Answer : All of these (d)
12. The jelly like substance present in the nucleus :
a) cytoplasm b) protoplasm c) nucleoplasm d) none of these
Answer : nucleoplasm (c)
13. Chemically cell wall consists of :
a) cellulose b) erythrose c) lipase d) glucose
Answer : cellulose (a)
14. Function of cell wall:
a)Shape of the cell b) Rigidity c) Support d) All of these
Answer : All of these (d)
15. The cementing material of the cells is:
a) Calcium pectate b) Cellulose c) Galactouronase d) None of these
Answer : Calcium pectate (a)

Shaista Ahmed