



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

WORK SHEET – 6 (solutions)

Class: IX

Sub: LIFE SCIENCE

Date: 13.04.2020

Topic: Cell: Ribosome, vacuole, microtubules, microfilaments F. M.: 15

Choose the correct option:

(1x15=15)

- The storage bubble found in cells are called:
a) nucleus b) ribosome c) Vacuoles d) mitochondria
Answer: Vacuoles (c)
- Large vacuoles are found in:
a) Animal cell b) bacterial cell c) plant cell d) all of these
Answer: Plant cell (c)
- Functions of vacuoles are:
a) Stores nutrients b) stores waste products c) cell osmosis d) all of these
Answer: All of these (d)
- The membrane of vacuole is called:
a) Plasmalemma b) neurilemma c) tonoplast d) pellicle
Answer: Tonoplast (c)
- The protein factories are called:
a) Mitochondria b) Ribosomes c) Golgi Bodies d) Lysosomes
Answer: Ribosomes (b)
- The sub units of eukaryotic ribosomes are:
a) 50S and 30s b) 50S and 40s c) 60S and 30S d) 60S and 40S
Answer: 60S and 40S (d)
- The 70S ribosomes are found in :
a) Bacterial cell b) Mitochondria c) Chloroplast d) All of these
Answer: All of these (d)
- The type of RNA which carries information from nucleus to ribosomes:
a) mRNA b) r RNA c) t RNA d) sn RNA
Answer: mRNA (a)

9. Process of protein synthesis includes:
a) mRNA reaches ribosomes b) sub units of ribosome combine c) subunits lock onto mRNA to start of protein synthesis d) All of these
Answer: All of these (d)
10. Centioles are found in :
a) Animal cell only b) plant cell only c) both plant and animal cells d) bacteria cell
Answer: Animal cell only (a)
11. There are Groups of microtubules found in centrioles:
a) five b) nine c) ten d) six
Answer: nine (b)
12. The microtubules are found in :
a) cilia b) flagella c) centrioles d) all of these
Answer: All of these (d)
13. Cell organelle which appears near the nucleus just before cell division:
a) lysosome b) mitochondria c) centrioles d) all of these
Answer: Centrioles (c)
14. The arrangement of microtubules found in cilia and flagella is:
a) 9+2 b) 9+1 c) 2+9 d) 1+9
Answer: 9+2 (a)
15. Cytoskeleton is made of:
a) Only microtubules b) only microfilaments c) Both microfilaments and microtubules d) Neither (a) nor (b)
Answer: both microtubules and microfilaments (c)

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