



The New English Private School (NEPS)

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Name _____	2 nd Quarter _____	Date _____	2020	Subject: Biology
Review question _____	Grade 11__	Teacher's Name	Mis. Wudinesh	

REVIEW QUESTION FOR GRADE 11

INSTRUCTION I: WRITE TRUE IF THE STATEMENT IS CORRECT AND FALSE IF THE STATEMENT IS INCORRECT ON THE SPACE PROVIDED

- ___ 1. A cell that measures 200Nm in diameter compared to a cell that measures 20Nm will have 100 times the surface area but 100 times the volume.
- ___ 2. "Omnis cellulae cellulae" means cells formed by free-cell formation.
- ___ 3. Carrier proteins are extrinsic proteins that move medium sized particles across the membrane.

INSTRUCTION II: MATCH ITEMS UNDER COLUMN "A" WITH THOSE UNDER "B"

COLUMN A

- ___ 4. Lipid monolayer as the basic membrane structure
- ___ 5. All membrane are essentially the same
- ___ 6. Endosymbiont theory
- ___ 7. Propose the first correct cell theory
- ___ 8. Cell retains dual existence

COLUMN B

- A. Virchow
- B. Lynn Margulis
- C. Robertson
- D. Langmuir
- E. Schleiden and Schwann
- F. Rene Dutrochet

III. CHOOSE THE CORRECT ANSWER FROM THE GIVEN ALTERNATIVES.

- ___ 9. Organelles which are known in energy transformation are:
- A. Nucleus and lysosomes B. Mitochondria and Golgi body
- ___ 10. All are common to all prokaryotic cells except:
- A. Cytosol B. Ribosome C. Plasma membrane D. Flagellum
- ___ 11. Which of the following clues would tell us whether a cell is a prokaryotic or Eukaryotic?
- A. Presence or absence of cell wall.

- B. Whether or not the cell is partitioned by internal membranes
 - C. Presence or absence of ribosomes
 - D. Whether or not the cell contains DNA.
- ___ 12. Prokaryotes are grouped in which kingdom of life?
- A. Protista B. Monera C. Fungi D. Plantae
- ___ 13. One of the following is thought to be the oldest organism?
- A. Eubacteria B. Archaeobacteria C. Fungi D. Protista
- ___ 14. Which of the following organelle is present in prokaryotic cell?
- A. Mitochondria B. Chloroplast C. Endoplasmic reticulum D. Ribosome
- ___ 15. As the cell increase in size, surface area to volume ratio of the cell:
- A. becomes constant B. Decrease C. increase D. neither increase nor decrease
- ___ 16. Which of the following types of molecules are the major structural components of cell membrane?
- A. Proteins and cellulose B. Phospholipids and proteins
 - C. Nucleic acids and proteins C. Glycoprotein and nucleic acid
- ___ 17. Size of eukaryotes range:
- A. 10-100Nm B. 1- 10Nm C. 100-1000Nm D. 0.1-10Nm
- ___ 18. Which of the following is incorrect about prokaryotic cells?
- A. Their DNA associated with histone protein to form chromosome
 - B. Contain 70s ribosome
 - C. Their DNA is continuous loop
 - D. No membrane bound nucleus

IV. Fill in the blank space

19. The reading of an instrument with standard is termed as_____.
20. _____ is individual structure in a cell with specific function.
21. The specialization of different parts of the cell to carry out a specific function is called_____
22. Write the correct step of the origination of the following structure according to Endosymbiot theory.

Chloroplast, endoplasmic reticulum, DNA, Mitochondria

23. List at least five characteristics that distinguish eukaryotic organism from prokaryotic organism.

24. Briefly describe the Davson-Danielli model of cell membrane

25. Explain how Davson-Danielli revised model describe cell membrane

26. List the reasons why sandwich model explanation of cell membrane is rejected?

27. Briefly describe the fluid mosaic model of cell of cell membrane

28. Explain the three reasons why the fluid mosaic model is called the fluid mosaic.

29. Write the function of the following component of the cell membrane.

A. Cholesterol_____

B. Glycoproteins_____

C. Channel proteins_____

D. Carrier proteins_____

30. Write the difference between Integral and peripheral membrane proteins.

Submission date; - Friday, March 27,2020

Parent/Guardian's signature_____

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