

NAME _____

CHAPTER 7: Cell Structure and Function STARTS WITH ? Review

1. Small structure in a cell that performs a specific function = O _____
2. Dark spot in the nucleus where RNA for ribosomes is made = N _____
3. Sac of digestive enzymes = L _____
4. R _____ ER is covered by ribosomes and transports substances to the Golgi apparatus.
5. The C _____ W _____ is found outside the cell membrane in plants and bacteria and provides support and protection.
6. An organism like a green plant that can make its own food = A _____
7. These sausage shaped organelles burn glucose and store the energy as ATP = M _____
8. The molecule used by cells to store genetic information = D _____
9. An organism with a nuclear membrane and organelles surrounded by membranes = E _____
10. The N _____ is surrounded by a double membrane, contains the cells DNA, and acts as the control center.
11. One or two long hair-like structures called F _____ extend from the surface and help move the cell.
12. The C _____ contains the gel-like material and organelles located between the nucleus and cell membrane.
13. Smooth ER has several functions including regulating calcium levels in muscle cells, breaking down toxins in liver cells, and making membrane lipids called S _____
14. The folded inner membranes inside mitochondria are called C _____
15. A cell membrane is a B _____ because the phospholipids line up in TWO ROWS to try and keep their hydrophobic tails away from water.
16. The C _____ M _____ surrounds all cells and is selectively permeable to control what enters and leaves the cell.
17. The function of ribosomes is to make P _____
18. P _____ cells and animal cells are both eukaryotes.
19. ER is an abbreviation for E _____ R _____
20. S _____ ER does NOT have ribosomes attached.
21. The thylakoid sacs found inside a C _____ are where photosynthesis happens in plant cells.
22. P _____ have a polar head and two non-polar tails and combine with proteins to make cell membranes.
23. A G _____ B _____ looks like stacks of pancakes which modifies, sorts, and packages molecules for storage or transport out of the cell.
24. I _____ proteins stick into the cell membrane. They can go part way or all the way through to the other side.
25. Space for storing food, water, enzymes, or waste = V _____

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CHAPTER KEY CONCEPTS 3 Cell Structure and Function 3.1 Cell Theory Cells are the basic unit of life. 3.2 Cell Organelles Eukaryotic cells share many similarities. 3.3 Cell Membrane The cell membrane is a barrier that separates a cell from the external environment. 3.4 Diffusion and Osmosis Materials move across membranes because of concentration differences.

CHAPTER 3 Cell Structure and Function

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which cells respond to various stimuli they receive from ...

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Unit 3 Life Science: Chapter 3 Cell Structure and Function ...
Cell theory An overview of a cell Chapter 3: CELL STRUCTURE & FUNCTION Unit 1: CELL: THE UNIT OF LIFE. WHAT IS A CELL? Cell is the fundamental, structural and functional unit of all living organisms Robert Hooke (1665) -an English scientist who observed honeycomb like dead cells and coined the term CELL Anton Von Leeuwenhock first described a living cell (1667) Robert Browne discovered ...

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Chapter 3 Notes - The Cell

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Chapter 3: Cell Structure and Function. Characteristics of Living Organisms All living organisms are made up of cells They share the following four processes: -Growth: Increase in size -Reproduction: Increase in number -Responsiveness: React to environment -Metabolism: Chemical reactions to provide energy and structures needed to grow, reproduce, and respond to environment ...

Chapter 3: Cell Structure and Function

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