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Chapter 3 - Cell Structure and Function. Terms in this set (76) Which of these is present in plant, but not animal, cells? A) nucleus B) centrioles C) cell membrane D) Golgi apparatus E) chloroplasts. E) chloroplasts. In a certain group of people, males are more subject to respiratory infections and are sterile. The most likely explanation for ...

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light microscope), (b) onion cells (viewed with a light microscope), and (c) *Vibrio tasmaniensis* bacterial cells (viewed using a scanning electron microscope) are from very different organisms, yet all share certain characteristics of basic cell structure. [Chapter 3: Cell Structure and Function](#)

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Explain why a large surface-area-to-volume ratio is needed for the proper functioning of cells. As a cell becomes larger, it becomes more and more difficult for the cell to acquire enough materials to support the processes inside the cell. The surface area must be big enough for the exchange of waste and nutrients.

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states that all organisms are composed of cells, the smallest units of living matter and that new cells come only from preexisting cells.

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concentration differences.
Chapter 3: Cell Structure & Function. STUDY. Flashcards. Learn. Write. Spell. Test. PLAY. Match. Gravity. Created by. itshayley. Cell Structure and Function. Terms in this set (104) What is a cell? The structural and functional unit of life. Do prokaryotes lack or have a membrane bound structures? Lack.

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CHAPTER 3 Cell Structure and Function

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Flagella are the complex, hairlike structure that extend through the cell surface. Flagella are composed of protein like flagellin, embedded in the cell envelope. They are

responsible for motility and rotate like a screw to "run" or "tumble"

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Chapter 3: Structure and Function of the Cell. just from \$13,9 / page. get custom paper. A)digestion of unneeded cell organelles B)recognition of bacterial cells by the immune system C)transport of products from the nucleus to the endoplasmic reticulum D)cell metabolism E)detoxification Answer: b Level: 2 9.

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STRUCTURE: Largest cell organelle present in eukaryotic cells It is usually spherical It has double layer nuclear membrane with nuclear pores It has transparent granular matrix called nucleoplasm , chromatin network composed of DNA and histone proteins It also has a spherical body called Nucleolu s. FUNCTION: It is the control centre of the cell.

Chapter 3: CELL STRUCTURE & FUNCTION Unit 1: CELL: THE ...

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3.1 cell theory--cells are the basic units of life3.2 cell organelles--eukaryotic cells share many similarities3.3 cell membrane--a barrier that separates a cell from the external environment3.4 diffusion and osmosis-- materials move across membranes because of concentration differences3.5 active transport, endocytosis,

and exocytosis--cells use energy to transport materials that cannot diffuse across a membrane.

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Membrane, 38 Membrane Transport of Macromolecules, 38 ...

Cell Structure and Function | Basicmedical Key

1) Plasma membrane - an outer covering that separates the cell's interior from its surrounding environment. 2) Cytoplasm - consisting of a jelly-like region within the cell in which other cellular components are found. 3) DNA - the genetic material of the cell. 4) Ribosomes - particles that synthesize proteins.

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Chapter 3 Cell Structure and Function Review- Biology ...

Prokaryotic Cell Structure III. Structures Internal to the Cell Wall Functions of the Plasma (Cytoplasmic) Membrane: 1. Selective barrier that regulates the passage of materials in and out of the cell.

Impermeable to large proteins, ions, and most polar molecules. Permeable to water, oxygen, carbon dioxide, some

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 Chapter 3: Structure and Function of the Cell. just from \$13,9 / page. get custom paper. A)digestion of unneeded cell organelles B)recognition of bacterial cells by the immune system C)transport of products from the nucleus to the endoplasmic reticulum D)cell metabolism E)detoxification Answer: b Level: 2 9.
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 FUNCTION: It is the control centre of the cell.
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