Name:			 	
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Which cell structures are most directly involved in protein synthesis?

- A) chloroplast and centriole
- B) endoplasmic reticulum and cell wall
- C) cell membrane and lysosome
- D) nucleus and ribosome
- Which organelle contains hereditary factors and controls most cell activities?
 - A) vacuole
 - B) endoplasmic reticulum
 - C) nucleus
 - D) cell membrane
- 3) Centrioles are cell structures involved primarily in
 - A) cell division
 - B) enzyme production
 - C) storage of fats
 - D) cellular respiration



Which cell organelles are the sites of aerobic cellular respiration in both plant and animal cells?

- A) mitochondria
- C) centrosomes

B) nuclei

- D) chloroplasts
- 5) Which structures are found in every living cell?
 - A) centrioles and chromosomes
 - B) a cell wall and nucleus
 - C) chloroplasts and mitochondria
 - D) a plasma membrane and cytoplasm
- 6) Which statement best describes the plasma membrane of a living plant cell?
 - A) It is composed of proteins and carbohydrates only.
 - B) It has the same permeability to all substances found inside or outside the cell.
 - C) It selectively regulates the passage of substances into and out of the cell.
 - D) It is a double protein layer with floating lipid molecules.



Microscopic examination of an animal cell reveals the presence of a plasma membrane but no cell wall. Which additional structures would normally be present within this cell?

- A) large vacuoles
- C) centrioles
- B) chloroplasts
- D) starch grains

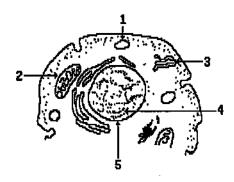
8) Which organelle is present in the cells of a mouse but not present in the cells of a bean plant?

A) centriole

- C) chloroplast
- B) cell membrane
- D) cell wall

Questions 9 and 10 refer to the following:

The diagram below represents a portion of a cell.



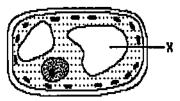
9) In which organelle would water and dissolved materials be stored?

- A) 5
- B) 3
- C) 1
- D) 2

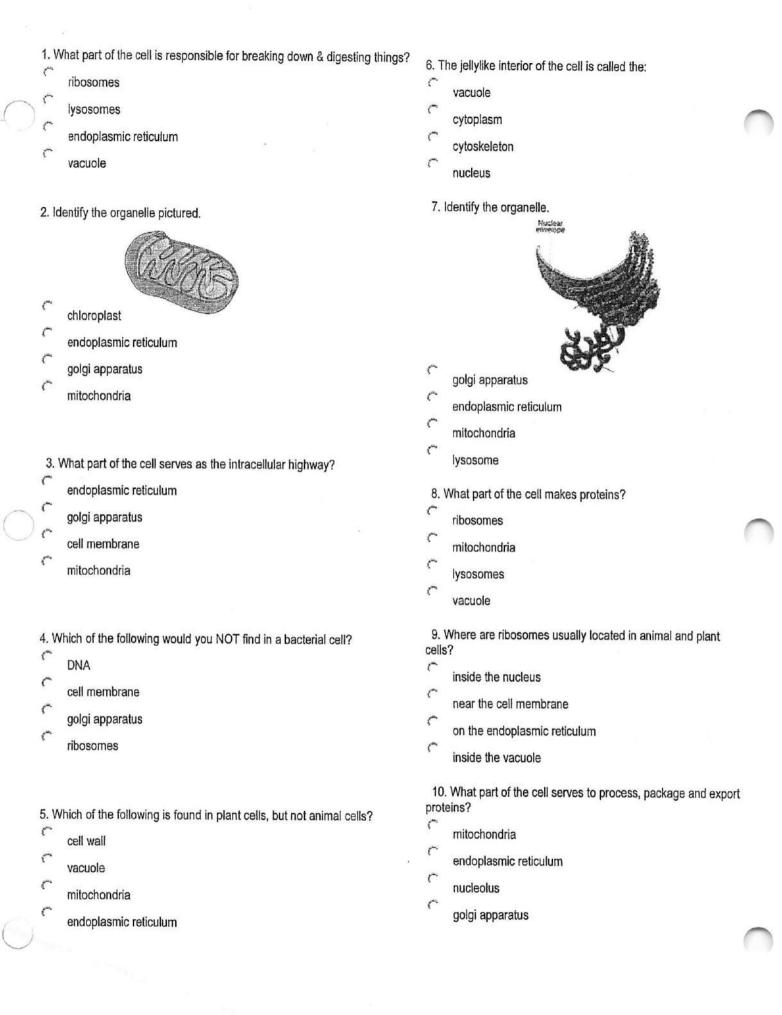
10) Most of the enzymes involved in aerobic cellular respiration are located in the organelle labeled

- A) 3
- B) 1.
- O(2)
- D) 4

In the diagram of a cell below, the structure labeled X
enables the cell to



- A) manufacture proteins
- B) control nuclear division
- C) release energy
- D) store waste products



- B) endoplasmic reticulum and cell wall
- C) cell membrane and lysosome
- (D) nucleus and ribosome
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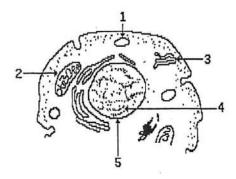
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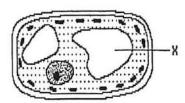
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