

Study Vocabulary

Vocabulary

cell membrane: around the outside of the cell, allows certain things to pass in and out.

cell Wall: the rigid outermost layer of a plant cell, which is made of cellulose.

organelle: a discrete structure within a cell, such as a nucleus, that has a specialized, organ like function.

Chloroplast- is an important part of a plant cell; it's where photosynthesis happens.

cell: a single unit of animal life or plant life. The human body is made of many kinds of these.

cytoplasm: a jelly-like substance in the area between the cell membrane and the nucleus, where many important organelles of the cell are located.

nucleus: is like the brain of the cell; it controls different processes that happen within the living thing.

vacuole: tiny, oval organelles that act as the cell's kitchen and bathroom, all-in-one. They store nutrients that pass through the cell membrane and store waste from the other organelles of the cell.

mitochondrion: kidney bean shaped organelles known as the "POWER HOUSE" of the cell. It receives nutrients from the vacuole and turns it into energy for the cell.

Ribosome: any of various small particles in the cytoplasm of a cell that contain RNA and are active in protein synthesis.

Science Concepts

Write the letter of the best choice.

11. What does the plant cell have that the animal cell does not?

Cell Wall

12. Where is the connective tissue in your body?

Bones

13. Where can microorganisms be found?

Everywhere

14. Give one fact about the animal cell & one fact about the plant cell.

The activities of both plant and animal cells are controlled by a nucleus within the cell.
Plant cell has a cell wall and animal cell does not.

15. Name the structures below:

STRUCTURE	FUNCTION	KIND OF CELL
Cytoplasm	Jellylike substance containing chemicals that help the cell stay healthy	Plant and Animal
Cell Membrane	Holds cell together; separate cell from its surroundings	Plant and Animal
Mitochondria	Releases energy form nutrients	Plant and Animal

15. What is the basic unit of structure and function of all living things? Cell

STUDY the PLANT AND ANIMAL CELL MODELS. These should also be in your science composition notebook.

Animal and Plant Cells

