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| ORGANELLES | FUNCTION |
| nucleus | Is to control gene expression and mediate the replication of DNA during the cell cycle. |
| cytoplasm | The cytoplasm is the contents of a cell that is enclosed within the plasma membrane. |
| Cell membrane | The cell membrane surrounds the cytoplasm of a cell and in animal cells. It physically separates the intracellular components. |
| mitochondria | The production of energy. |
| chloroplast | It transfers carbohydrate to all parts of the plants. It also captures light energy. |