

Cells & Organelles

Name _____

Directions: Match the function cards and memory items by gluing them into the correct locations in the chart below.

| Organelle | Function/Description | How can I remember it? |
|------------------------------|-----------------------------|-------------------------------|
| Cell Membrane | | |
| Cell Wall | | |
| Cytoplasm | | |
| Mitochondria | | |
| Lysosomes | | |
| Vacuoles | | |
| Golgi Bodies | | |
| Chloroplasts | | |
| Endoplasmic Reticulum | | |
| Ribosomes | | |
| Nucleus | | |
| Nucleolus | | |
| Chromatin | | |

Function Cards

| | |
|--|--|
| Captures energy from the sunlight and uses it to produce food in a plant cells | Receives proteins & materials from the ER, packages them, & distributes them |
| Controls what comes into and out of a cell; found in plant and animal cells | Produces the energy a cell needs to carry out its functions |
| Gel-like fluid where the organelles are found | Assembles amino acids to create proteins |
| Control center of the cell; contains DNA | Stores food, water, wastes, and other materials |
| Found inside the nucleus and produces ribosomes | Has passageways that carry proteins and other materials from one part of the cell to another |
| Ridged outer layer of a plant cell | Tiny strands inside the nucleus that contain the instructions for directing the cell's functions |
| Uses chemicals to break down food and worn out cell parts | |

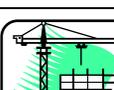
Memory Items

| | | |
|---|--|---|
|  Make me something sweet to eat |  Members only can come and go. |  I'm a "GOLden" packer. |
|  I'm a brick wall. |  I am the little nucleus. |  I'm a transport <u>ER</u> . |
|  I am a "mighty" power house. |  I clean things up! (Hint: Lysol) |  I'll store anything, (Hint: Vacuum Bags) |
|  I'm the control center. |  I'm a "tin" of information. |  Sail through my plasma. |
|  I make "some" nice proteins. | | |

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ANSWER KEY

Directions: Match the function cards and memory items by gluing them into the correct locations in the chart below.

| Organelle | Function/Description | How can I remember it? |
|------------------------------|--|--|
| Cell Membrane | Controls what comes into and out of a cell; found in plant and animal cells |  Members only can come and go. |
| Cell Wall | Ridged outer layer of a plant cell |  I'm a brick wall. |
| Cytoplasm | Gel-like fluid where the organelles are found |  Sail through my plasma. |
| Mitochondria | Produces the energy a cell needs to carry out its functions |  I am a "mighty" power house. |
| Lysosomes | Uses chemicals to break down food and worn out cell parts |  I clean things up! (Hint: Lysol) |
| Vacuoles | Stores food, water, wastes, and other materials |  I'll store anything, (Hint: Vacuum Bags) |
| Golgi Bodies | Receives proteins & materials from the ER, packages them, & distributes them |  I'm a "GOLden" packer. |
| Chloroplasts | Captures energy from the sunlight and uses it to produce food in a plant cells |  Make me something sweet to eat |
| Endoplasmic Reticulum | Has passageways that carry proteins and other materials from one part of the cell to another |  I'm a transport <u>ER</u> . |
| Ribosomes | Assembles amino acids to create proteins |  I make "some" nice proteins. |
| Nucleus | Contains DNA, which controls the functions of the cell and production of proteins |  I'm the control center. |
| Nucleolus | Found inside the nucleus and produces ribosomes |  I'm in "control" of the number of "ribos". |
| Chromatin | Tiny strands inside the nucleus that contain the instructions for directing the cell's functions |  I'm a "tin" of information. |