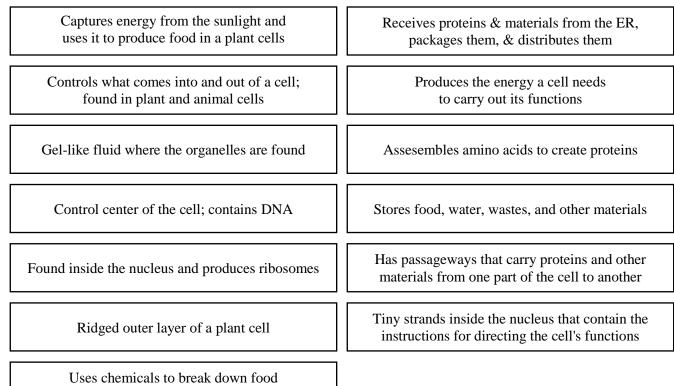**Cells & Organelles**                                    Name _____

*Directions: Match the function cards and memory items by gluing them into the correct locations in the chart below.*
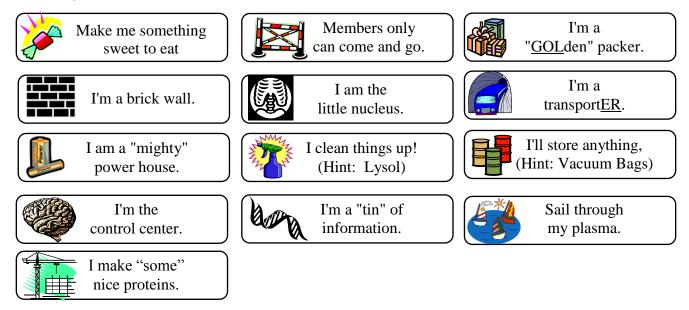
| Organelle | Function/Description | How can I remember it? |
|---|---|---|
| **Cell Membrane** | | |
| **Cell Wall** | | |
| **Cytoplasm** | | |
| **Mitochondria** | | |
| **Lysosomes** | | |
| **Vacuoles** | | |
| **Golgi Bodies** | | |
| **Chloroplasts** | | |
| **Endoplasmic Reticulum** | | |
| **Ribosomes** | | |
| **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 | Assesembles 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 transportER. |
| 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. | | |

# Cells & Organelles

*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 transportER. |
| **Ribosomes** | Assesembles 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. |