








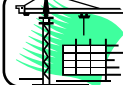





## Cells & Organelles

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