**Comparing Plant and Animal Cells**

Name:

Period:

For this exercise, you will be comparing plant and animal cells. You will be searching for organelles that they have in common, as well as for organelles that are specific to just one type of cell. You can use Chapter 4 of your textbook to help you.

Follow the color coding below. If you see a code on a diagram that is a letter and a number (like N2), ignore the number and just pay attention to the letter. Use the same color code for both diagrams. Be sure to color the key at the bottom of each diagram!

| ***organelle*** | ***color*** | *is it in plant cells?* | *is it in animal cells?* |
|---|---|---|---|
| cell membrane | pink | | |
| cell wall | light green | | |
| chloroplast | green | | |
| cytoplasm | gray | | |
| endoplasmic reticulum | orange | | |
| Golgi Body | purple | | |
| lysosome | yellow | | |
| mitochondrion | blue | | |
| nucleus | red | | |
| ribosome | brown | | |
| vacuole | light blue | | |

The _____ is only found in plant cells because...

The _____ is only found in plant cells because...

The _____ is only found in plant cells because...

adapted from The Princeton Review Biology Coloring Book (1998) by I. Edward Alcamo
Practice: 11 points, Assessment 6 points

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Name:

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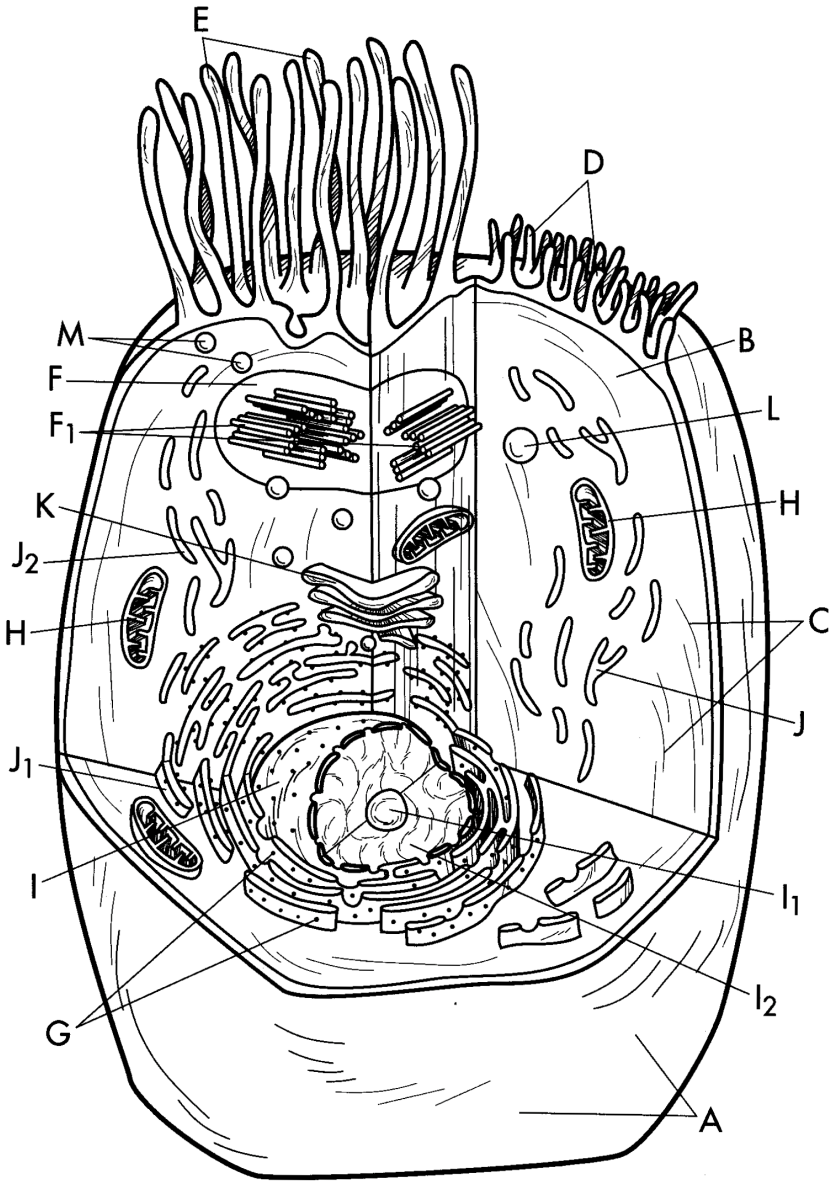
# *ANIMAL CELL*




**The Animal Cell**

| | | |
|---|---|---|
| ○ Cell Membrane.....A | ○ Centrioles .....$F_1$ | ○ Endoplasmic Reticulum..J |
| ○ Cytosol (Cytoplasm)....B | ○ Ribosomes.....G | ○ Rough ER.....$J_1$ |
| ○ Cytoskeleton .....C | ○ Mitochondrion.....H | ○ Smooth ER .....$J_2$ |
| ○ Microvilli .....D | ○ Nucleus.....I | ○ Golgi Body .....K |
| ○ Cilia.....E | ○ Nucleolus .....$I_1$ | ○ Lysosome .....L |
| ○ Centrosome .....F | ○ Nucleoplasm .....$I_2$ | ○ Peroxisome .....M |

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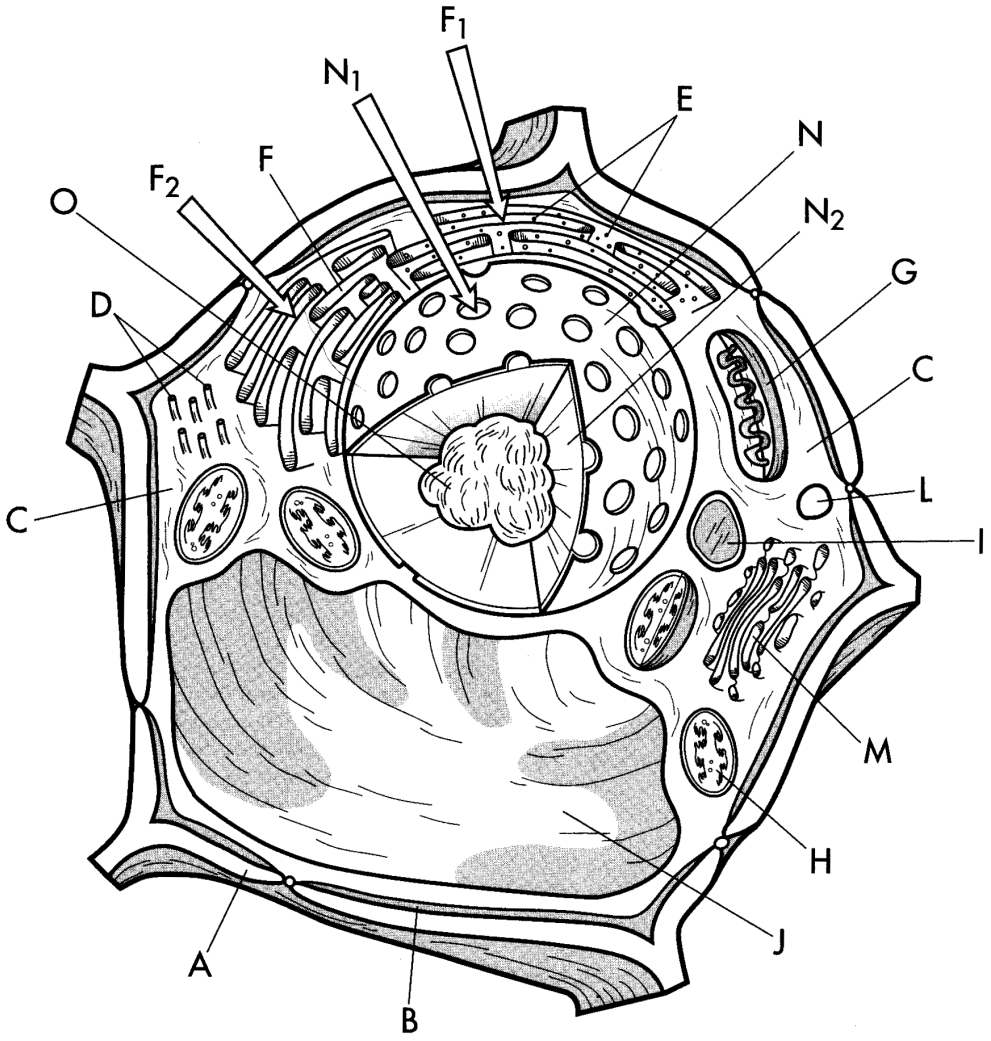
**Comparing Plant and Animal Cells**

Name:

Period:

# *PLANT CELL*




**The Plant Cell**

| | | |
|---|---|---|
| ○ Cell Wall.....A | ○ Rough ER.....$F_1$ | ○ Lysosome .....L |
| ○ Cell Membrane .....B | ○ Smooth ER .....$F_2$ | ○ Golgi Body .....M |
| ○ Cytoplasm.....C | ○ Mitochondrion.....G | ○ Nucleus.....N |
| ○ Cytoskeleton .....D | ○ Chloroplast.....H | ○ Nuclear Pore.....$N_1$ |
| ○ Ribosomes.....E | ○ Plastid.....I | ○ Nucleoplasm .....$N_2$ |
| ○ Endoplasmic Reticulum.....F | ○ Vacuole.....J | ○ Nucleolus.....O |

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Practice: 11 points, Assessment 6 points