

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!

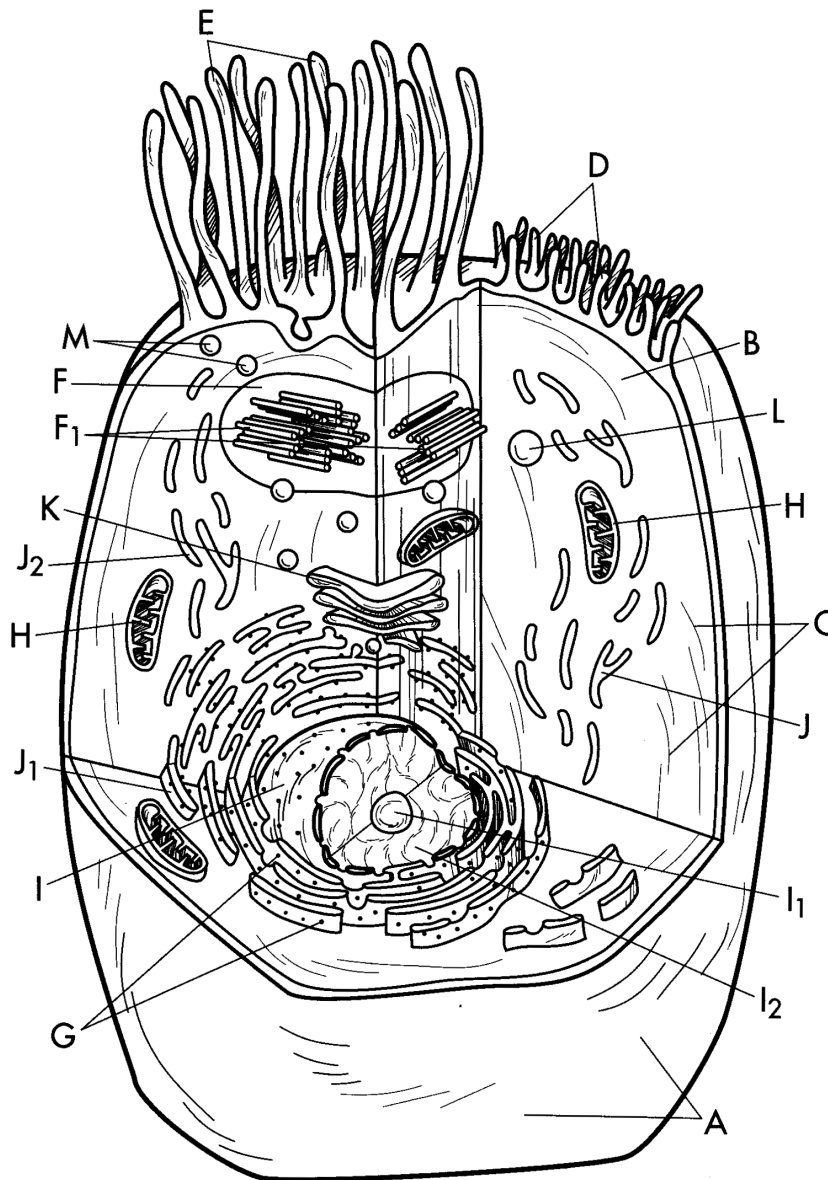
<i>organelle</i>	<i>color</i>	<i>is it in plant cells?</i>	<i>is it in animal cells?</i>
cell membrane	pink		
cell wall	light green		
chloroplast	green		
cytoplasm	gray		
endoplasmic reticulum	orange		
Golgi Body	purple		
lysosome	yellow		
mitochondrion	blue		
nucleus	red		
ribosome	brown		
vacuole	light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

The _____ is only found in plant cells
because plants need it to...

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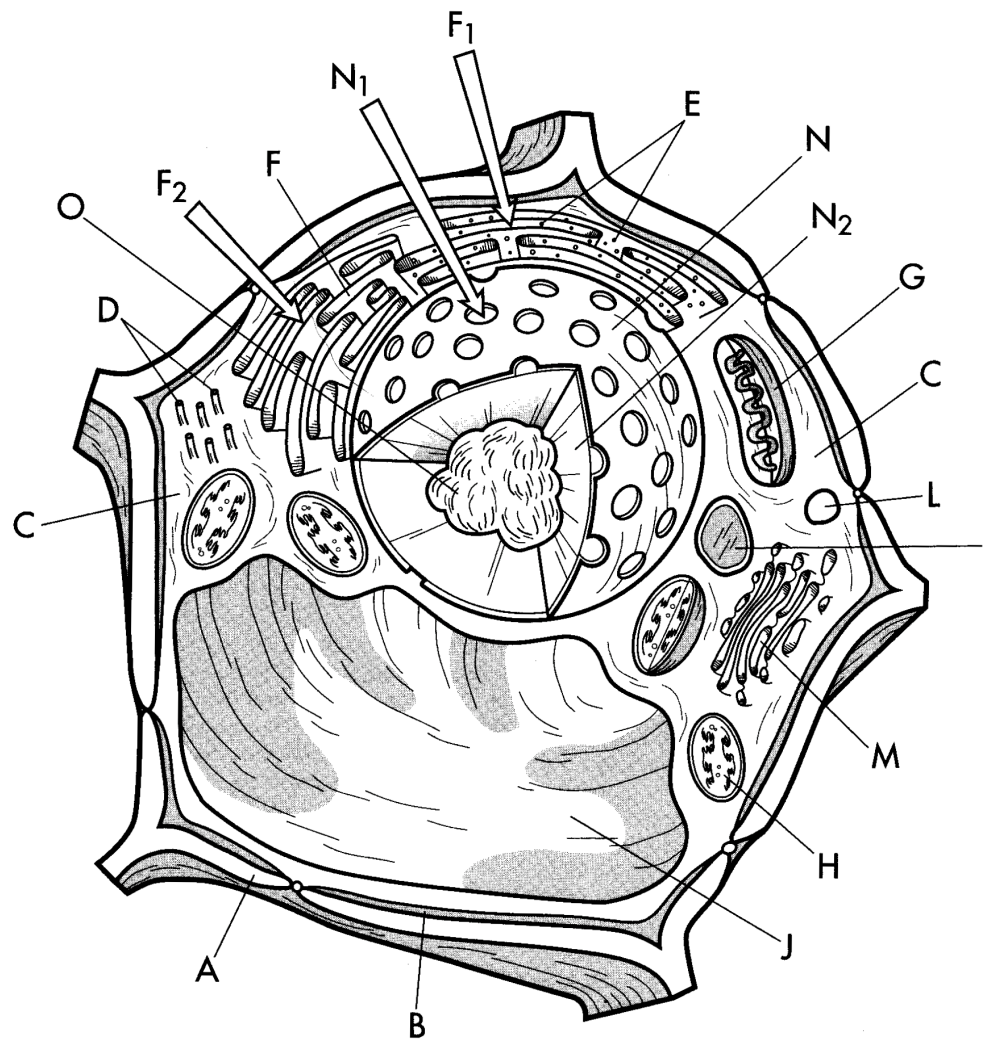
ANIMAL CELL



The Animal Cell

- | | | |
|--|---|---|
| <input type="radio"/> Cell Membrane.....A | <input type="radio"/> CentriolesF ₁ | <input type="radio"/> Endoplasmic Reticulum..J |
| <input type="radio"/> Cytosol (Cytoplasm)....B | <input type="radio"/> Ribosomes.....G | <input type="radio"/> Rough ER.....J ₁ |
| <input type="radio"/> CytoskeletonC | <input type="radio"/> Mitochondrion.....H | <input type="radio"/> Smooth ERJ ₂ |
| <input type="radio"/> MicrovilliD | <input type="radio"/> Nucleus.....I | <input type="radio"/> Golgi BodyK |
| <input type="radio"/> Cilia.....E | <input type="radio"/> NucleolusI ₁ | <input type="radio"/> LysosomeL |
| <input type="radio"/> CentrosomeF | <input type="radio"/> NucleoplasmI ₂ | <input type="radio"/> PeroxisomeM |

PLANT CELL



The Plant Cell

- | | | |
|---|---|---|
| <input type="radio"/> Cell Wall.....A | <input type="radio"/> Rough ER.....F ₁ | <input type="radio"/> LysosomeL |
| <input type="radio"/> Cell MembraneB | <input type="radio"/> Smooth ERF ₂ | <input type="radio"/> Golgi BodyM |
| <input type="radio"/> Cytoplasm.....C | <input type="radio"/> Mitochondrion.....G | <input type="radio"/> Nucleus.....N |
| <input type="radio"/> CytoskeletonD | <input type="radio"/> Chloroplast.....H | <input type="radio"/> Nuclear Pore.....N ₁ |
| <input type="radio"/> Ribosomes.....E | <input type="radio"/> Plastid.....I | <input type="radio"/> NucleoplasmN ₂ |
| <input type="radio"/> Endoplasmic Reticulum.....F | <input type="radio"/> Vacuole.....J | <input type="radio"/> Nucleolus.....O |