NAME		

## The Virtual Cell Worksheet

1.	Centrioles are only found in cells. They function in cell .	Centriole
	They have groups of arrangement of the protein fibers. Draw a picture of a centriole in the box.	
Th	Lysosomes are called sacks. They are produced by the body.  sey consist of a single membrane surrounding powerful enzymes. Those lumpy brown uctures are digestive They help protect you by the bacteria that your	Lysosomes
	ite blood cells engulf act as a clean up crew for the cell. Zoom in and draw what you see.	
2.	3. Chloroplasts are the site of They consist of a membrane. The stacks of disk like structures are called the The membranes connecting them are the membranes. Zoom in and draw a picture.	Chloroplasts
3.	4. Mitochondrion is the of the cell. It is the site of  It has a membrane. The inner membrane is where most respiration occurs. The inner membranes is with a very large surface area. These ruffles are called Mitochondria have their own and manufacture some of their own Draw a picture of the mitochondrion with its membrane cut.	Mitochondrion
me the att	Endoplasmic Reticulum (ER) is a series of double membranes that back and forth between the cell embrane and the These membranes fill the but you cannot see embraces they are very The rough E.R. has ached to it. This gives it its texture. These ribosomes manufacture for the cell. we ribosomes are the which manufacture proteins. Draw the rough ER with ribosome.	Endoplasmic Reticulum (ER)
4.	6. Smooth E.R ribosomes. It acts as a throughout the cytoplasm. It runs from the cell membrane to the nuclear and throughout the rest of the cell. It also produces for the cell. Draw a picture of the smooth ER.	Smooth ER
5.	7. <b>Cell Membrane</b> performs a number of critical functions for the It regulates all that and leaves the cell; in multicellular organisms it allows recognition. Draw and shade the cell membrane.	Cell Membrane
6.	8. Nucleus is called the of the cell. It is a large spot in eukaryotic cells. It all cell activity. The nuclear membrane has many The thick ropy strands are the The large solid spot is the chromatin. It manufactures in its active form. It is a of DNA and histone proteins. It stores the information needed for the manufacture of Draw a picture of the nucleus and its nucleolus.	Nucleolus
7.	Golgi Body is responsible for packaging	Golgi Body