Name_____

Date_____ Pd_____

Cell Organelles Worksheet

Complete the following table by writing the name of the cell part or organelle in the right hand column that matches the structure/function in the left hand column. A cell part may be used more than once.

Structure/Function	Cell Part
1. Stores material within the cell	**Vacuole**
2. Closely stacked, flattened sacs (plants only)	**Chloroplasts (grana)**
3. The sites of protein synthesis	**Ribosome**
4. Transports materials within the cell	**Vesicles**
5. Jelly-like substance in the cell	**Cytoplasm**
6. Organelle that manages or controls all the cell functions in a eukaryotic cell	**Nucleus**
7. Contains chlorophyll, a green pigment that traps energy from sunlight and gives plants their green color	**Chloroplasts**
8. Digests excess or worn-out cell parts, food particles and invading viruses or bacteria	**Lysosome/Peroxisome**
9. Small bumps located on portions of the endoplasmic reticulum	**Ribosome**
10. Provides temporary storage of food, enzymes and waste products	**Vescicles**
11. Firm, protective structure that gives the cell its shape in plants, fungi, most bacteria and some protists	**Cell Wall**
12. Produces a usable form of energy for the cell	**Mitochondrion**
13. Packages proteins for transport out of the cell	**Golgi Apparatus**
14. Produces lipids	**Smooth ER**
15. Site where ribosomes are made	**Nucleolus**
16. The membrane surrounding the cell	**Plasma Membrane**
17. Provides support for the cell	**Cytoskeleton**

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18. Collection of DNA in the nucleus of eukaryotic cells	**Chromatin**
19. Consist of hollow tubes which provide support for the cell	**Microtubules/Microfilaments**
20. Small hair-like structures used for movement or sensing things	**Cilia**
21. Composed of a phospholipid bilayer	**Cell Membrane**
22. Longer whip-like structures used for movement	**Flagellum**

Put each of the following organelles into one of the four columns, based on their role in metabolism

Lysosomes *Mitochondria* *Plasma membrane* *Vesicles*

Ingestion	**Digestion**	**Respiration**	**Excretion**
Vesicles/Plasma Membrane	Lysosome	Mitochondria	Vesicles/Plasma membrane

Put a check in the appropriate column(s) to indicate whether the following organelles are found in plant cells, animal cells or both.

Organelle	**Plant Cells**	**Animal Cells**
Cell Wall	**X**	
Vesicle	**X**	**X**
Chloroplast	**X**	
Chromatin	**X**	**X**
Cytoplasm	**X**	**X**
Cytoskeleton	**X**	**X**
Endoplasmic reticulum	**X**	**X**
Golgi apparatus	**X**	**X**

Organelle	**Plant Cells**	**Animal Cells**
Lysosome		**X**
Mitochondria	**X**	**X**
Nucleolus	**X**	**X**
Nucleus	**X**	**X**
Plasma membrane	**X**	**X**
Ribosome	**X**	**X**
Vacuole **(Central)**	**X**	