



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	Vesicles
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	