**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 |  |
| 1. Closely stacked, flattened sacs (plants only) |  |
| 1. The sites of protein synthesis |  |
| 1. Transports materials within the cell |  |
| 1. The region inside the cell except for the nucleus |  |
| 1. Organelle that manages or controls all the cell functions in a eukaryotic cell |  |
| 1. Contains chlorophyll, a green pigment that traps energy from sunlight and gives plants their green color |  |
| 1. Digests excess or worn-out cell parts, food particles and invading viruses or bacteria |  |
| 1. Small bumps located on portions of the endoplasmic reticulum |  |
| 1. Provides temporary storage of food, enzymes and waste products |  |
| 1. Firm, protective structure that gives the cell its shape in plants, fungi, most bacteria and some protists |  |
| 1. Produces a usable form of energy for the cell |  |
| 1. Packages proteins for transport out of the cell |  |
| 1. Site where ribosomes are made |  |
| 1. The membrane surrounding the cell |  |
| 1. Provides support for the cell, has two “subparts” |  |
| 1. Name for the collection of DNA in the nucleus of eukaryotic cells |  |
| 1. Consist of hollow tubes which provide support for the cell |  |
| 1. Part of the cytoskeleton; Small hair-like structures used for movement or sensing things | Cilia |
| 1. Composed of a phospholipid bilayer; regulates what enters and leaves the cell. |  |
| 1. Part of the cytoskeleton; Longer whip-like structures used for movement | Flagella |
| 1. Part of the cytoskeleton; helps to pull the cell apart in cell division |  |

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

| **Organelle** | **Plant Cells** | **Animal Cells** | **Prokaryotic Cells** | **Eukaryotic Cells** |
| --- | --- | --- | --- | --- |
| Cell Wall |  |  |  |  |
| Vesicle |  |  |  |  |
| Chloroplast |  |  |  |  |
| Chromatin |  |  |  |  |
| Cytoplasm |  |  |  |  |
| Cytoskeleton |  |  |  |  |
| Endoplasmic reticulum |  |  |  |  |
| Golgi apparatus |  |  |  |  |
| Lysosome |  |  |  |  |
| Mitochondria |  |  |  |  |
| Nucleolus |  |  |  |  |
| Nucleus |  |  |  |  |
| Plasma membrane |  |  |  |  |
| Central vacuole |  |  |  |  |
| Ribosome |  |  |  |  |
| Vacuole |  |  |  |  |