

Cell Structure and Function Assignment

Part 1 Cell Function

A description of the function of each of the organelles.

Do not simply cut and paste large paragraphs from the internet. Read through the information and summarize the function in 1 or 2 lines using only words you understand. See example below.

Mitochondria – provides the energy for the cell.

Include **ALL 18** of the following cell structures in part 1.

| Organelles Shared by Both Plant and Animal Cells |
|---|
| Nucleus |
| Nuclear envelope or nuclear membrane |
| Nucleolus |
| Chromosome or DNA or Chromatin |
| Golgi apparatus or Golgi body |
| Cell membrane or plasma membrane |
| Mitochondria |
| Smooth endoplasmic reticulum (Smooth ER) |
| Rough endoplasmic reticulum (Rough ER) |
| Ribosomes |
| Cytoplasm |
| Vesicles |
| Lysosome (some plant cells) |
| Organelles Found Mainly In Animal Cells Only |
| Centrosome or centriole |
| Flagella |
| Organelles Found Mainly In Plant Cells Only |
| Cell wall |
| Chloroplast |
| Large Vacuole |

Part 2 Cell Structure

A detailed coloured and labeled diagram of a typical **plant** cell.

A detailed coloured and labeled diagram of a typical **animal** cell.

Note: If you work alone only **draw one** cell. If you work with a partner use must **draw both**.

Please include all of the organelles from the above list in your drawings. When labeling your diagrams, please write the names of the organelles directly on the page. Do not use a legend when labeling your cells.