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| Chapter 11.3 | Types of Cells & Their PartsP. 24-37 |
| **Vocabulary & Concepts** |
| prokaryotic eukaryotic bacteria organellenucleus cytoplasm endoplasmic reticulum ribosome Golgi bodies vesicles vacuoles lysosome chloroplast cell wall photosynthesis cellular respiration |

Types of Cells

**Cells**

**Prokaryotic**

These are

cells that don’t have many

 (internal structures). They lack a

**Eukaryotic**

These are cells that have many (internal structures), including a .

Bacteria Archaea Protists Fungi Animal Plant

Animal and Plant Cells

**Animal Plant**



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|  **The BIG Summary** |
| Part / Organelle |  Function | Animal | Plant |
| nucleus | Holds \_\_\_\_\_\_\_\_\_\_, controls cell function. |  |  |
| endoplasmic reticulum | Place for \_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_ synthesis (creation). |  |  |
| ribosome | Manufactures \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  |  |  |
| Golgi bodies | \_\_\_\_\_\_\_\_\_\_\_\_\_\_ proteins for transport. |  |  |
| vesicle | Transports materials in the \_\_\_\_\_\_\_\_\_\_\_ around (nutrients, proteins, etc.) |  |  |
| Vacuole | - Holds cell material like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.- Very large in \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| lysosome | Breaks down “stuff” within the cell. |  |  |
| mitochondria | Carries out \_, a chemical reaction that gives the cell energy: |  |  |
| chloroplast | Carries out \_, a chemical reaction that uses to make sugar. |  |  |
| cytoplasm | Jelly fluid that gives cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |  |  |
| cell membrane | Controls what goes \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_ of the cell. Holds the cell together. |  |  |
| cell wall | Very rigid material that gives plants \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_. |  |  |