**~Cell Structure and Organelles Notes~**

**SOL BIO 2/3/4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Organelle Name** | Function | Present in **Prokaryote** cells | Present in **Animal** cells | Present in **Plant** cells | Visible under the light microscope |
| **Cytoplasm** |  |  |  |  |  |
| **Nucleus** |  | **NO** | **Yes** | **Yes** | **Yes** |
| **Nuclear membrane** |  |  |  |  |  |
| **Nucleolus** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Vacuoles & Vesicles** |  |  |  |  |  |
| **Lysosomes** |  |  |  |  |  |
| **Cytoskeleton** |  |  |  |  |  |
| **Centrioles** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Ribosomes** |  |  |  |  |  |
| **Endoplasmic Reticulum** |  |  |  |  |  |
| **Golgi Apparatus** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Chloroplasts** |  |  |  |  |  |
| **Mitochondria** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Cell Wall** |  |  |  |  |  |
| **Cell Membrane** |  |  |  |  |  |
|  |  |  |  |  |  |
| **Cilia** |  |  |  |  |  |
| **Flagella** |  |  |  |  |  |