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| --- | --- | --- | --- | --- | --- |
|  |  | **\_\_\_ karyotic** | | **\_\_\_karyotic** | |
| **Organelle** | **Function** | **Plant cells** | **Animal cells** | **Bacteria** | **Archaea** |
| **Cell wall of cellulose** |  |  |  |  |  |
| **Cell wall of peptidoglycan** |  |  |  |  |  |
| **Cell membrane** |  |  |  |  |  |
| **Cytoskeleton** |  |  |  |  |  |
| **Cytoplasm** |  |  |  |  |  |
| **Mitochondria** |  |  |  |  |  |
| **Nucleus** |  |  |  |  |  |
| **Nucleolus** |  |  |  |  |  |
| **Chloroplasts** |  |  |  |  |  |
| **Golgi apparatus** |  |  |  |  |  |
| **Endoplasmic reticulum** |  |  |  |  |  |
| **Ribosomes** |  |  |  |  |  |
| **Vacuole** |  |  |  |  |  |
| **Centrioles** |  |  |  |  |  |
| **Flagella** |  |  |  |  |  |
| **Cilia** |  |  |  |  |  |
| **Lysosome** |  |  |  |  |  |
| **Peroxisome** |  |  |  |  |  |
| **Endomembrane system** |  |  |  |  |  |
| **Microfilaments** |  |  |  |  |  |
| **Microtubules** |  |  |  |  |  |