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1 | Cells

1.1 | The Two Major Cell Types

- **Prokaryotic cells** — often in single-cellular cells, has a cell wall, and contained in capsules
- **Eukaryotic cells** — in multicellular cell elements, contains a plasma membranes and nucleus

1.2 | Eukaryotic Cells, Compare and Contrast

| Animal Cells | Plant Cells |
|--|--|
| No cell wall | Has cell wall |
| No chloroplast | Has chloroplast to do photosynthesis |
| Has cytoplasm | Has cytoplasm |
| Has Ribosomes | Has Ribosomes |
| Has mitochondria | Has mitochondria |
| No plastids | Has plastids — organelles that form pigments |
| Has cilia — hair like extrusions outer surface | Mostly no cilia |