Source: [KBBiologyMasterIndex]]

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 | Prokaryotic vs Eukaryotic Cells

Prokaryotic Cells	Both	Eukaryotic Cells
Cell wall Capsule container	DNA Cytoplasm Ribosomes Membranes	Plasma membrane Nucleus Mitochondria

1.3 | Eukaryotic Cells, a deep dive

1.3.1 | Plant and Animal Cells, Compare and Contrast

Animal Cells	Plant Cells
Has soft plasma membrane No chloroplast Has cytoplasm Has Ribosomes Has mitochondria	Has hard cell wall Has chloroplast to do photosynthesis Has cytoplasm Has Ribsonmes Has mitochondria
No plastics Has cilla — hair like extrusions	Has plastids — organelles that form pigments Mostly no cilla

1.3.2 | Endosymbiotic theory

See [KBhBIO101Endosymbiotic]

1.3.3 | Organelles in Eukaryotic Cells

See [KBhBIO101EukaryoticOrganells]