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

## 1.3.2 | Endosymbiotic theory

 $See \ [[KBhBIO101Endosymbiotic]]$ 

## 1.3.3 | Organelles in Eukaryotic Cells

See [KBhBlO101EukaryoticOrganells]

### 1.4 | Cell Membrains

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