

Source: [\[KBhBIO101Cells\].md](#)

1 | Organelles in Eukaryotic Cells

1.1 | Chloroplast and Mitochondria

- **Chloroplast** — found in plants + does photosynthesis
- **Mitochondria** — found in animals + store ATP and extract energy from ATP

1.2 | Rough Endoplasmic Reticulum (ER) and Smooth ER

- **Rough ER** — covered by ribosomes and folds [\[KBhBIO101Proteins\]](#) proteins
- **Smooth ER** — not covered by ribosomes and makes [\[KBhBIO101Lipids\]](#) lipids

1.3 | Cell Wall and Plasma Membrane

- **Cell Wall** — found in plants => surround the cell: hard
- **Plasma membrane** — found in animals => surround the cell: soft [\[KBhBIO101Lipids\]](#) lipids

1.4 | Cytosol, cytoplasm and cytoskeleton

- **Cytosol** => liquid found inside cells; the “cytoplasm” floats within it
- **Cytoplasm** => all the stuff within the cell
- **Cytoskeleton** => complex network of proteins + fibers that organize the rest of the cell