

## Further Reading

### Topic A: Differences between plant and animal cell

The plant and animal cells have several similarities as well as distinguishing features. Let us compare the two cells.

Feature	Plant Cell	Animal Cell
Cell Wall	Present (made of cellulose)	Absent
Shape	Usually rectangular or square	Usually round or irregular
Chloroplasts	Present (for photosynthesis)	Absent
Vacuole	Large central vacuole (stores water and nutrients)	Small or absent
Centrioles	Absent (except in lower plants)	Present (important for cell division)
Lysosomes	Rare	Common
Energy Production	Both mitochondria and chloroplasts (photosynthesis and respiration)	Only mitochondria (cellular respiration)
Mode of Nutrition	Autotrophic (can make own food)	Heterotrophic (depends on others for food)
Plasma Membrane	Present, with a rigid cell wall	Present, without a cell wall
Cytoplasm	Present	Present
<b>Nucleus</b>	<b>Present</b>	<b>Present</b>