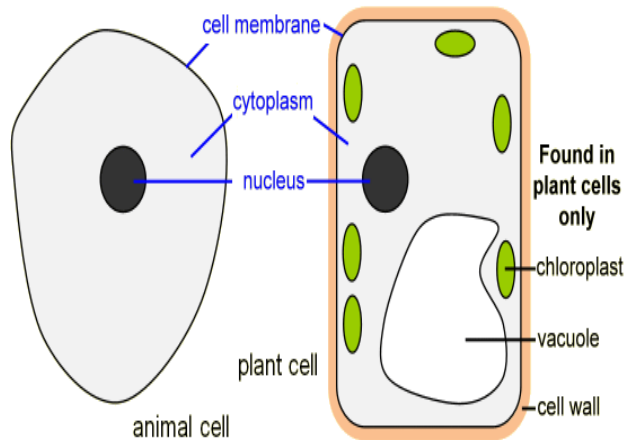


End point 1 and 2 : identify and describe the main features of a typical plant animal and bacterial cells

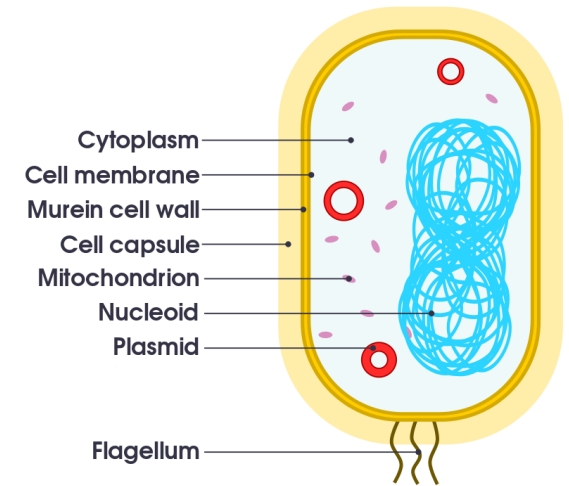
Cells and transport in and out of cells Year 7

Typical plant, animal and bacterial cells: Cells are the building blocks of all living organisms and together form tissues.



Eukaryotic cells

Cell wall	Supports the cell
Cell membrane	Controls movement in and out of the cell
Nucleus	Controls what happens inside the cell
Cytoplasm	Chemical reactions happens here
Mitochondria	Where respiration occurs
Chloroplast	Where photosynthesis occurs
Flagellum	Found in bacterial cells and helps with movements
Plasmid	Circular piece of DNA



Prokaryotic cells

End point 7 : Describe and explain diffusion into and out of cells

End point 8 : Describe and explain osmosis in terms of movement of water

Diffusion: The movement of particles from an area of high concentration to an areas of low concentration

Osmosis: The movement of water particles from an area of high concentration to low concentration down a concentra- tion gradient across a semi-permeable membrane.

Diffusion

Particle net movement from;

a region of **HIGH** concentration to a region of **LOW** concentration

