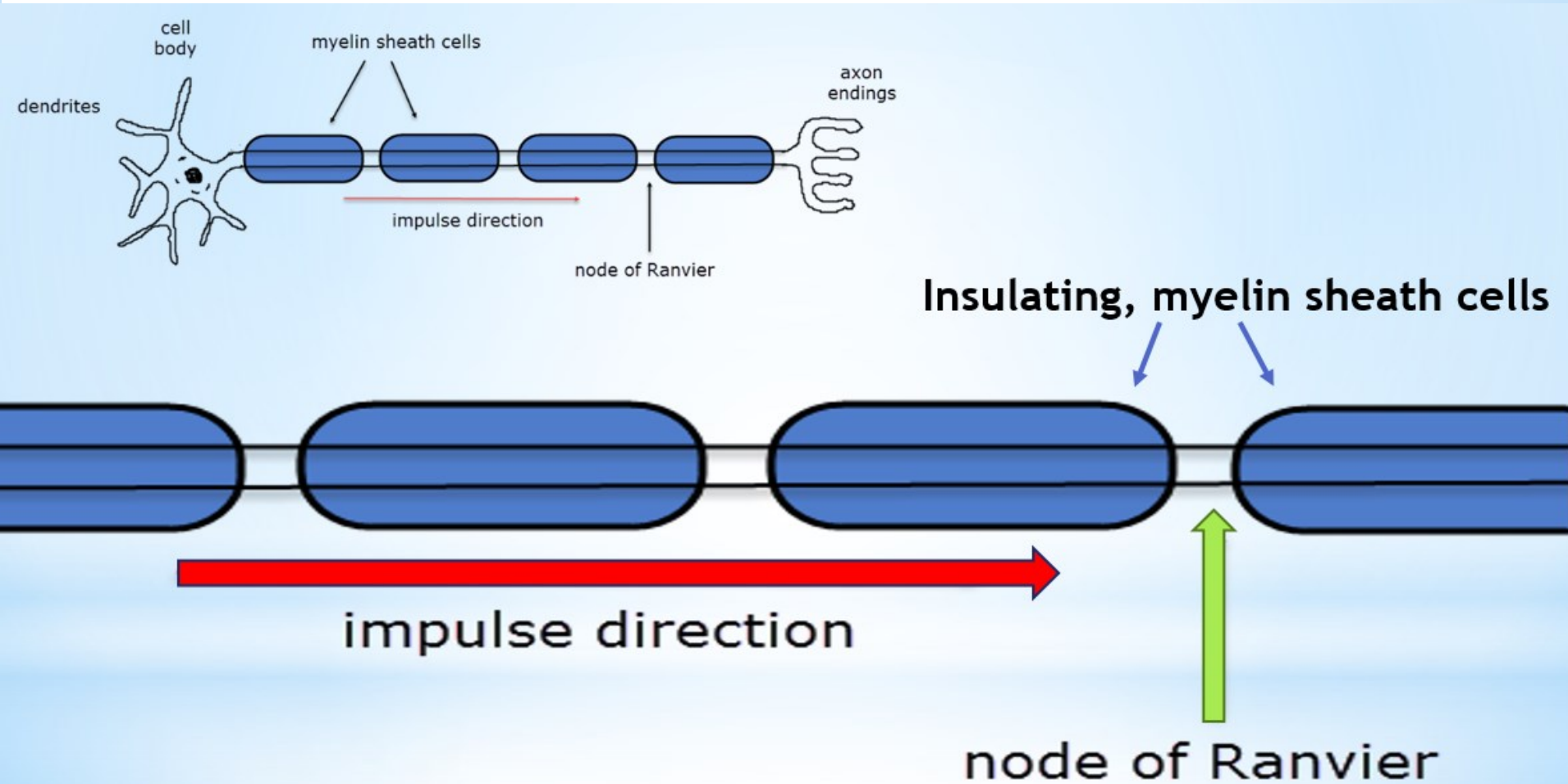


Saltatory conduction in nerve impulses

How the myelin sheath speeds up the conduction of nerve impulses.

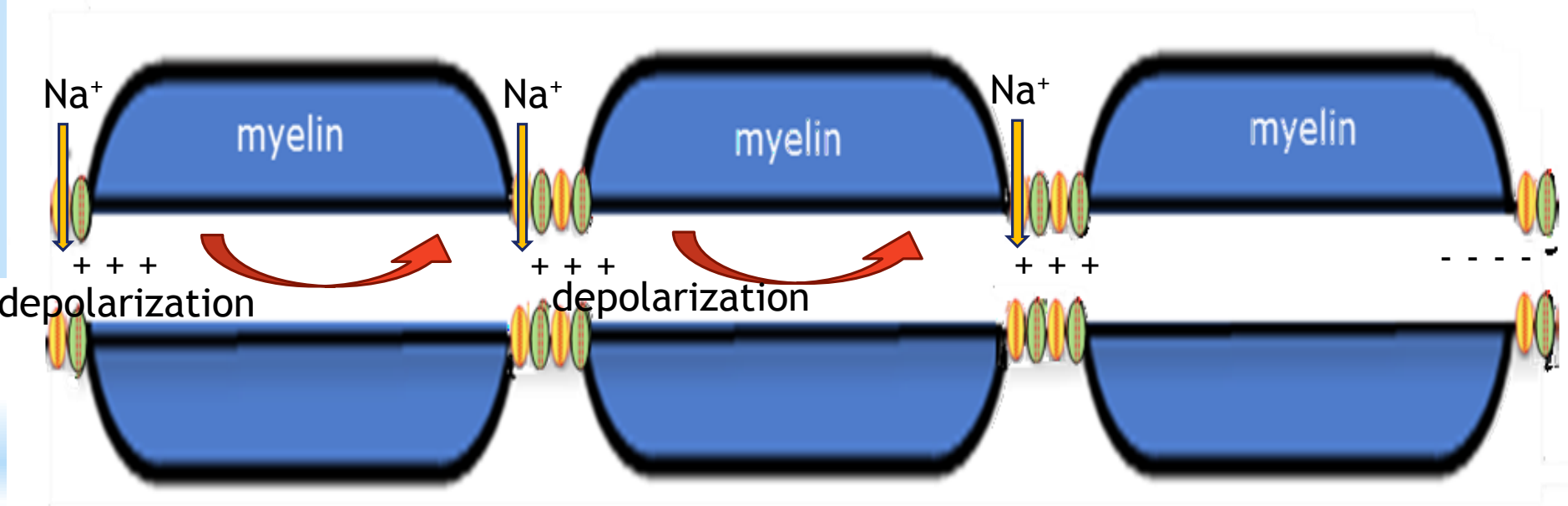


Neurone axon details



Saltatory conduction

Depolarization only occurs in the gaps between myelin sheath cells.
These gaps are called, nodes of Ranvier



The Myelin layer prevents the movement of Na^+ & K^+ ions through the axon membrane.
The impulse jumps from node to node - a process called **saltatory conduction**