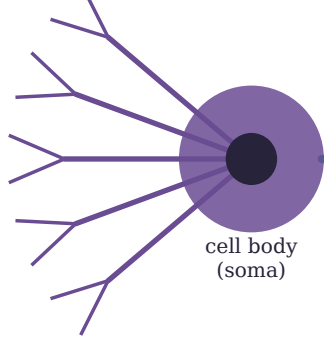


The Building Block: A Neuron

dendrites
(receive signals)

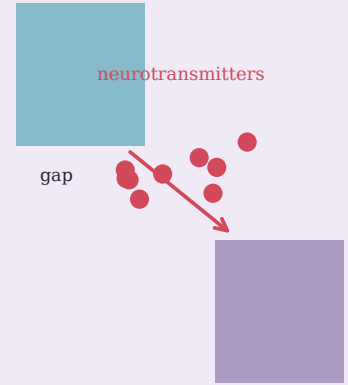


axon (carries the signal, up to a metre long)

myelin (insulation, speeds it up)

axon terminals

THE SYNAPSE



one neuron whispers
to the next across a gap

You have ~86 billion of these, each connected to thousands of others — roughly 100 trillion connections in all.