

Psychology 1A – Biological Bases of Behaviour

Tutorial Engagement Tasks

Task 1: What is an action potential?

Watch: <https://www.youtube.com/watch?v=BB0gVcp7FOQ>

Sort these key steps into the correct order, 1-4:

	A. The neuron is repolarized when the sodium channels in a segment close and potassium channels behind them open and let out K ⁺ .
	B. There is a refractory period where the neuron goes to a lower voltage than its initial resting period and then back to its resting membrane potential .
	C. If sufficiently stimulated, the neuron is depolarized when sodium channels open and let in Na ⁺ from outside.
	D. The neuron is polarized because it has a more negative charge than the surrounds (-70 mV); more K ⁺ and A ⁻ inside than outside, and more Na ⁺ outside than inside.

Task 2: Anatomy of the brain

Label each part of the brain (and in class, note its functions):

For tips, visit <https://www.brainfacts.org/3d-brain#intro=true>

