**Sodium Potassium Pumps**

* Is the membrane protein assisting with active or passive transport? Explain why.
* Identify the number of Na+ ions that are pumped in to the extracellular environment by a sodium potassium pump.
* Identify the number of K+ ions that are pumped in to the intracellular environment by a sodium potassium pump.
* Use the diagram to draw a conclusion about the charge of the intracellular environment compared to the charge of the extracellular environment.

**Passage of a Nerve Impulse**

* Identify the cause of nerve impulse initiation.

**Resting Potential**

* Define the term resting potential.
* Explain how a neuron achieves resting potential.

**Action Potential**

* Define the term depolarisation.
* Explain why sodium ions diffuse rapidly when sodium channels open.
* Describe the movement of an action potential.
* Explain how resting potential would be restored (repolarisation) after depolarisation.

**Transmission between Neurons**

* Define the term neurotransmitter.
* Explain how a message is passed from one neuron to another.
* Define the term reuptake.

**Sodium Potassium Pumps**

* Is the membrane protein assisting with active or passive transport? Explain why.
* Identify the number of Na+ ions that are pumped in to the extracellular environment by a sodium potassium pump.
* Identify the number of K+ ions that are pumped in to the intracellular environment by a sodium potassium pump.
* Use the diagram to draw a conclusion about the charge of the intracellular environment compared to the charge of the extracellular environment.

**Passage of a Nerve Impulse**

* Identify the cause of nerve impulse initiation.

**Resting Potential**

* Define the term resting potential.
* Explain how a neuron achieves resting potential.

**Action Potential**

* Define the term depolarisation.
* Explain why sodium ions diffuse rapidly when sodium channels open.
* Describe the movement of an action potential.
* Explain how resting potential would be restored (repolarisation) after depolarisation.

**Transmission between Neurons**

* Define the term neurotransmitter.
* Explain how a message is passed from one neuron to another.
* Define the term reuptake.7