B5.2 - Human Nervous System

Stimulus → _____ convert stimulus into electrical impulse → Impulse travels along _____ to the _____ → Once processed, electrical impulse is sent down _____ → Impulse carried to _____ (e.g. Muscles) → Response

Reflex Arc

Reflexes occur before you realise, because

_____

This pathway is called a reflex arc.

Stimulus → _____ → Sensory Neurons → _____ _____ → Motor Neuron → Effectors

For example:

_____

Pupils shrinking when exposed to a bright light

A synapse is the gap between two neurons

Once the impulse reaches a synapse, a chemical called a neurotransmitter is _____.

These cross the synapse and bind to receptors on the other side, which

_____