

Coordination and response in plants – 2022 November O Level 5090**1. Nov/2022/Paper_21/No.21**

Humans have receptors to detect stimuli in their environment and a nervous system to coordinate responses to these stimuli.

(a) Complete the table showing different parts of the nervous system, their location in the human body and some of their functions.

One row has already been completed.

part of the nervous system	location in the body	function
medulla	brain	controls automatic functions such as breathing
	nerve in body	carries nerve impulses from the central nervous system to muscles and glands
	brain	problem solving, language, memory and interpreting visual information
	brain	regulates body temperature
relay neurone		
cerebellum		fine motor control and balance

[5]

To do this, each of the man's eyes produces a focused image of the needle.

Explain how different parts of the eye function to produce a focused image of a near object.

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[Total: 10]