

Foundation Separate version — Higher Tier (★) questions removed.

**Q1. Describe the pathway of a reflex arc from stimulus to response.**

**[4 marks]**

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**Q2. Name THREE regions of the brain and state the function of each.**

**[3 marks]**

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**Total: 7 marks**

## Q1 (4 marks)

*Describe the pathway of a reflex arc from stimulus to response.*

- Stimulus detected by receptor [1]
- Sensory neurone → CNS [1]
- Relay neurone in spinal cord [1]
- Motor neurone → effector → response (bypasses brain → fast) [1]

## Q2 (3 marks)

*Name THREE regions of the brain and state the function of each.*

- Cerebral cortex: conscious thought, memory, language [1]
- Cerebellum: coordination and balance [1]
- Medulla: automatic functions (breathing, heart rate) [1]