

The nervous system

1. Put the following letter coded sentences in the correct order so that they represent how the body co-ordinates a response to an environmental change such as a flash of light. (use 1 to 5)

- A. The brain and spinal cord co-ordinate the response
- B. An electrical signal is transmitted down a motor neurone
- C. The effector carries out the response
- D. The receptor detects the stimulus
- E. An electrical signal is passed along a sensory neurone to the CNS

2. Put the correct definition for the numbered words (drag and drop the sentences).

- a) A nerve fibre carrying electrical messages around the body
- b) A cell which forms part of a sense organ, detecting a stimulus
- c) An area of the body which determines the appropriate response to a stimulus
- d) An organ or tissue which carries out the response
- e) A chemical which carries a message around the body in the blood

- 1. Receptor
- 2. Effector
- 3. Neurone
- 4. Hormone
- 5. Co-ordinator