

14 The nervous system – Part 1 —Answers

Answers

Work through these after trying the questions yourself.

14.1 The brain and the spinal cord.

14.2 Neurones (nerve cells), carrying electrical impulses.

14.3 A fast, automatic response to a stimulus.

14.4 receptor → sensory neurone → relay neurone → motor neurone → effector.

14.5 A muscle (or a gland).

14.6 In a reflex the impulse travels a **short, fixed path** (the reflex arc, through the spinal cord) and does **not** go to the conscious brain to decide. This makes the response fast and automatic, protecting the body quickly.