

15 Two control systems – Part 1 — Answers

Answers

Work through these after trying the questions yourself.

15.1 The nervous system.

15.2 Chemical hormones, in the blood.

15.3 A nerve cell.

15.4 The sensory neurone.

15.5 The effector (a muscle or gland).

15.6 The reflex arc carries the signal receptor → sensory neurone → relay → motor neurone → effector, usually through the spinal cord without waiting for the brain. So the muscle pulls the hand away almost at once — before the slower message reaches the brain and you feel the pain.