

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.