

14 Hormones and homeostasis – Part 2 —Answers

Answers

Work through these after trying the questions yourself.

14.6 A chemical, made by a gland and carried in the blood, that changes the activity of a target organ.

14.7 Nervous control is faster but shorter-lived; hormonal control is slower but longer-lasting (any valid difference).

14.8 It makes the liver take up the glucose and store it as glycogen, lowering the blood glucose.

14.9 It makes the liver release glucose, raising the blood glucose.

14.10 The pancreas cannot make insulin, so blood glucose rises too high.

14.11 The **pancreas** detects the high glucose and releases **insulin**. Insulin makes the **liver** take up the glucose and store it as **glycogen**, so the blood glucose falls back to normal.