

Solutions

Each answer shows the steps, then the **result**.

2.1

- Negative feedback

2.2

- Amplify

2.3

- Any one: blood glucose control, body temperature regulation

3.1 B

- reversing the change toward the set point

3.2

(a)

- The rise triggers insulin release; insulin makes cells take up glucose; blood glucose falls back to normal

(b)

- Positive feedback

3.3

- Positive feedback amplifies the change so the process quickly runs to completion (e.g. a clot forms fast, or birth finishes), which is exactly what these one-time events need