

Solutions

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

2.1

- Endocytosis

2.2

- Phagocytosis engulfs large solid particles/cells; pinocytosis takes in fluid droplets

2.3

- Yes

3.1 B

- exocytosis

3.2

(a)

- Phagocytosis (endocytosis)

(b)

- The membrane must reshape and form a vesicle to engulf the bacterium, which requires ATP

3.3

- The insulin is packaged in a vesicle that moves to and fuses with the cell membrane, releasing the insulin outside by exocytosis