

Solutions

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

2.1

- translocation is the movement of **sucrose and amino acids in the phloem** (source to sink)

2.2

- a source is e.g. a **photosynthesising leaf** (or a storage organ releasing sugar)

3.1 B

- translocation moves substances in the **phloem, from source to sink**
- A and C are xylem; D is not a tissue

3.2

(a)

- a sink: **growing roots** / a storage organ

(b)

- in summer it **stores sugar**, so it is a **sink**
- in spring it **releases stored sugar** to grow new shoots, so it becomes a **source**