

Solutions

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

2.1

- most digested food is absorbed in the **small intestine**

2.2

- the lacteal absorbs **fatty acids and glycerol**

3.1 B

- villi **increase the surface area for absorption**
- A is glands; C is acid; D is the stomach

3.2

(a)

- a thin wall means only a **short distance to diffuse**

(b)

- capillaries **carry away** absorbed glucose/amino acids
- that keeps a **steep concentration gradient**

3.3

- the many **villi**
- and the **microvilli** on each villus