

Solutions

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

2.1

- Mitochondria

2.2

- It modifies, sorts, and ships proteins

2.3

- Ribosomes

3.1 B

- the rough ER

3.2

(a)

- Ribosome/rough ER
- vesicle
- Golgi
- vesicle
- cell membrane

(b)

- It modifies, sorts, and packages the protein for export

3.3

- Muscle cells need a lot of ATP for contraction, and mitochondria carry out respiration to make ATP, so many are present