

Solutions

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

2.1

- glucose + oxygen → carbon dioxide + water

2.2

- aerobic respiration needs **oxygen**

3.1 C

- aerobic products are **carbon dioxide and water**
- A and B are anaerobic; D are reactants

3.2

(a)

- $\text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \rightarrow 6\text{CO}_2 + 6\text{H}_2\text{O}$

(b)

- aerobic respiration releases **much more energy** than anaerobic