

Solutions

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

2.1

- biotechnology is **using living things (or their enzymes) to make useful products**

2.2

- genetic modification is **changing an organism's genetic material** by removing, changing or inserting genes

3.1 B

- bacteria **reproduce very fast and contain plasmids**
- A, C and D are false

3.2

(a)

- any **two** of: reproduce fast / make complex molecules / contain plasmids / few ethical concerns

(b)

- any **one** of: **insulin** / **penicillin** / **mycoprotein**