

Solutions

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

2.1

- Any two: DNA/RNA, the same genetic code, ribosomes, ATP

2.2

- That all organisms share a common ancestor

2.3

- More features

3.1 B

- share a common ancestor

3.2

(a)

- Both features are complex and identical in function; the simplest explanation is that both inherited them from a shared ancestor rather than evolving them independently

(b)

- The same genetic code (or DNA as genetic material)

3.3

- Closely related species diverged more recently, so they have had less time to accumulate differences and retain more shared inherited features — exactly what a branching tree of descent predicts