

Solutions

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

2.1

- a vertebrate has a **backbone**; an arthropod has an **exoskeleton**

2.2

- a virus has a **protein coat** and **genetic material** inside

3.1 C

- chitin cell wall + absorbing dead material → **fungi**
- plants have cellulose; animals have no cell wall; prokaryotes are single-celled with no nucleus

3.2

(a)

- three pairs of legs, body in three parts, one pair of antennae → **insects**

(b)

- any **two** of: **fur/hair** / **feed young on milk**

3.3

- a virus is **not made of cells** and cannot carry out life processes on its own
- it can only reproduce **inside a living host cell**