

Solutions

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

2.1

- biodiversity is the **number of different species** living in an area

2.2

- any **one** of: clearing land / mining / pollution

3.1 B

- fewer trees take in less CO₂ by **photosynthesis**
- A is not the main reason; C and D are unrelated

3.2

(a)

- any **two** of: lower biodiversity / soil loss / flooding / more CO₂

(b)

- tree roots no longer **hold the soil**
- so rain **washes it away**

3.3

(a)

- the number of **different species**
- and how many individuals of **each**

(b)

- **loss of habitat**: food, shelter and breeding sites gone
- **soil erosion**: roots no longer bind the soil
- **flooding**: less water taken up, so more runs into rivers
- **more CO₂**: fewer trees photosynthesise, and burning releases more

(c)

- a species found nowhere else has **no other population**
- once its only habitat is destroyed it becomes **extinct**

(d)

- **replant** after felling, or fell in rotation
- **protect reserves** and use already-cleared land more productively