

Solutions

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

2.1

- Removing all the trees from an area at once

2.2

- Any one: soil erosion, habitat loss, flooding, loss of carbon storage

2.3

- Selective cutting removes only some trees, leaving the forest largely intact

3.1 A

- the roots that hold soil

3.2

(a)

- Without trees, roots no longer hold the soil and there is less transpiration and infiltration, so rain washes soil away (erosion) and runs off quickly (flooding)

(b)

- It is cheaper/faster and yields more timber at once

3.3

- Advantage: less erosion and habitat loss (forest stays intact); disadvantage: it is more expensive and slower