

Solutions

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

2.1

- Sand

2.2

- Clay

2.3

- The fraction of empty (pore) space in the soil

3.1 B

- large pores and high permeability

3.2

(a)

- Sandy soil drains faster; clay holds more water

(b)

- Loam balances drainage and water retention (and holds nutrients), so roots get enough water and air without waterlogging

3.3

- Porosity is how much empty space (water capacity) the soil has; permeability is how easily water flows through it