

Solutions

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

2.1

- The range of a condition within which a species can survive

2.2

- The optimal range

2.3

- Zones of stress

3.1 B

- the optimal range

3.2

(a)

- pH 6–7

(b)

- pH 4 is below its tolerance limit (5), so the plant cannot survive there

3.3

- A species can only survive where every condition is within its tolerance; where a factor is outside that range, the species is absent, so tolerance limits its geographic distribution