

Solutions

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

2.1

- All the living (biotic) and non-living (abiotic) things in an area, interacting

2.2

(a)

- abiotic

(b)

- biotic

(c)

- abiotic

(d)

- biotic

2.3

- Any one: predation, competition, symbiosis

3.1 B

- water temperature

3.2

(a)

- Biotic: e.g. grass, grasshopper; abiotic: e.g. sunlight, soil

(b)

- Any valid interaction, e.g. a grasshopper eats grass (predation/herbivory)

3.3

- Organisms depend on abiotic conditions (light, water, nutrients) and on each other; both together determine what can live and how the ecosystem functions