Solutions

Marking: **M1** a correct method, **A1** the correct answer, **B1** an independent mark.

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

2.1

temperature; precipitation

2.2

tropical rainforest; high temperature all year, about 26–28 °C; high rainfall every month, so no dry season

3.1

(a) rainforest has high temperature, light and water all year, so photosynthesis is fast; in the desert, lack of water limits plant growth and cover

(b) low temperatures slow enzyme reactions and photosynthesis; the growing season is short and soils are frozen or poor in nutrients

3.2

(a) temperature falls with height; as the climate warms, each species' suitable temperature range is found higher up

(b) the area of land gets smaller towards the top, so populations shrink; they cannot move higher than the summit; species moving up from below compete with them

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