# Plant disease and plant defences

## Q1. (2022)

**0 3 . 2** Plants with rose black spot disease often have yellow leaves.

Suggest **one** reason why the leaves are yellow instead of green.

**[1 mark]**

## Q2. (2022)

**0 3 . 3** Explain why plants with yellow leaves grow slowly.

**[2 marks]**

## Q3. (2022)

**0 3 . 4** The spread of rose black spot can be controlled using different methods.

Draw **one** line from each method of control to the explanation of how it works.

**[2 marks]**

| Method of control | Explanation |
|---|---|
| Remove and burn infected leaves | Creates a barrier to the movement of pathogens |
| Water the roots of the plant only, **not** the leaves | Pathogens are killed |
| | Reduces the chance of pathogens being spread by water droplets |
| | Reduces the temperature so pathogens reproduce less |