**1.** How does phytochrome control flowering in plants?

A. Pfr turns into Pr in the light, causing short-day plants to flower.

B. Pr turns into Pfr in the light, causing long-day plants to flower.

C. Pfr turns into Pr in the dark, causing long-day plants to flower.

D. Pr turns into Pfr in the dark, causing short-day plants to flower.

(Total 1 mark)

**2.**

(c) Explain how flowering is controlled in long-day and short-day plants.

(7)

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