

25 A student writes four statements about auxin.

- 1 Auxin becomes more concentrated on the lower side of a horizontal stem.
- 2 Auxin becomes more concentrated on the side of the shoot that has more light.
- 3 Auxin is made in the shoot tip.
- 4 Auxin prevents cell elongation in the shoot.

Which statements describe what happens during chemical control of plant growth?

- A** 1, 2 and 4 **B** 1 and 2 only **C** 1 and 3 **D** 2, 3 and 4

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25 What is an example of phototropism?

- A** the growth of a root in the direction of gravity
B the growth of a shoot towards light
C the release of energy from glucose using light
D the synthesis of glucose using light

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23 In the dark, plant shoots grow upwards and roots grow downwards.

What causes these responses?

	gravitropism	phototropism
A	no	no
B	no	yes
C	yes	no
D	yes	yes