

Delegate Exercise 5

- 3** Germinating cereal grains, such as barley, produce the enzyme amylase.

The production of amylase is affected by gibberellin, a plant growth regulator.

A student formed the following hypothesis.

The higher the concentration of gibberellin, the greater the production of amylase by germinating cereal grains.

Plan an investigation to test this hypothesis.

- (a) State two safety issues you would need to take into account.

(2)

Mark scheme:

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- (b) Describe preliminary practical work that you might undertake to ensure your proposed method would provide quantitative results.

(3)

Mark scheme:

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- (c) Devise a detailed method, including an explanation of how you would control and monitor important variables.

(10)

Mark scheme:

- [illegible]