

Question 29

- (a) From these articles, identify two responses of plants to temperature change. 2

As they are sensitive they 'feel' the temperature rise and then respond by activating hundreds of genes & deactivating others (Article 1)
- from a change in temperature indicates when the right time to flower is (Article 2)

- (b) Evaluate the relevance of the information to your report, and the reliability of each of the sources given. 5

relevance. The first two articles were more relevant as they provided information on why and how a plant generally responds to temperature change. * very relevant
'activating hundreds of genes' however no examples were given and transgenic was brought up which isn't that relevant. * fairly
Article 2 provides information on flower time but does not ~~fairly~~ * relevant
indicate how plant is able to detect when it is time to flower and how temperature change such as global warming has an effect on plants. Article 3 was irrelevant as the increase in CO₂ has nothing to do with temperature response.
Reliability - Article 1 fairly reliable as it is a ^{current 2010} blog with current source however it does not have gov or edu in the web address, so not the best source of information
Article 2 → a scientific journal is always reliable however it was published in 2008 so, updated information may be available & new discoveries that make this not as reliable as up-to-date information

End of Question 29

Article 3 → not very reliable as wikipedia as "user modifiable"
suggest any one can put information on the site which is not valid or reliable