

Question 29

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

Plants respond to temperature change by activating hundreds of genes and deactivating others. They also respond to temperature through <sup>variation in</sup> flowering times differences in flowering times.

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

The information used in the report ~~was~~ was mostly relevant in identifying the responses of plants to temperature change. Source (articles) 1 and 2 provided information specific and relevant to the topic, while source 3 was not as specific in identifying responses, instead identifying a potential connection between temperature change, increase in carbon dioxide levels and the changing nature of herbivore nutrition that ~~it~~ could happen to the plant. Article 1 is somewhat reliable because it is a website that reports on current science and the information provided is recent (2010). Article 2 is very reliable because it is a known scientific journal which is reviewed. The information is also reliable because it is fairly recent (2006) and a study over 26 years has been undergone. Article 3 is not as reliable as 1 and 2 because **End of Question 29** it can be modified by online users. However, information provided is cited from reliable ~~sources~~ and published sources.