**Year 12 General Biology**

**Task 1 – Asexual Reproduction**

**Part B – In Class Assessment**

**Name:** **Mark:**  /16

1. Which parts of the garlic give rise to new growth? (1 mark)

1. Suggest why it is important to keep a few leaves on the cutting? (1 mark)

1. Summarise the pattern of growth you observed for all three growths and refer to data in your answer. For example, which plant tissue developed first and by how much? (3 marks)

1. Outline the implications of vegetative reproduction for plants. How does it compare with plants grown from a seed? (3 marks)

1. Use scientific language to compare the technique of vegetative propagation from a cutting in comparison to a bulb with their differences outlined. (2 marks)

1. Discuss how the spread of vegetative parts such as tubers may have assisted in perennial weeds colonising our land and waterways, even once the surface of the weed is removed. (2 marks)

1. Vegetative propagation has a negative impact on the lack of variation between plants. Explain how this influences the production and sustainability of crops when facing harsh environmental conditions seen in Australia. (2 marks)

1. How do crop farmers and horticulturalists use knowledge of asexual reproduction in plants to our benefit? Consider the commercial production of seedless fruits when propagated such as navel oranges, bananas, pineapples and potatoes. (2 marks)

**End of Assessment**