Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mark:\_\_\_\_\_\_/23

**Final mini test!**

**Scientific inquiry**

**Read through the attached lab report.**

1. State the aim of this research *(1 mark)*

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1. State the: *(2 marks)*
   1. Independent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Dependent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Reread the controlled variables. State two other variables that would have to be controlled for this experiment, and explain why they must be controlled. *(3 marks)*

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1. Describe the main points of the method *(2 marks)*

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1. Reread the hypothesis. Explain why this is not a very good hypothesis for this experiment *(1 mark)*

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1. Create a new hypothesis for this experiment that is more appropriate *(1 mark)*

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1. State two ways to improve this experiment. *(2 marks)*

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1. Observe the graph in the report. Describe three problems with this graph. *(3 marks)*

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1. In the table on the next page is the data from this experiment. On the grid, draw an appropriate table for this data.

(hint: the graph in the report has many problems, do not copy it) *(5 marks)*

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1. Read through the conclusion of the experiment. Describe whether the researchers made the right conclusions from their data. *(3 marks)*

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