TONICITY INVESTIGATION TEST

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mark: /20

1. Write an hypothesis for this investigation. (2 marks)

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2. For this investigation give the (3 marks)

Independent variable\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dependent variable \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3 controlled variables \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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3. The distilled water was the control. What is a control? Why is it necessary?

(2 marks)

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4. Describe two things in this investigation that you think might have made it invalid .

Explain how you could improve each of these. (4 marks)

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6. Do you think this experiment was reliable? Explain. (1 mark)

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7. How could you make it more reliable? (1 mark)

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8. Why was warm water used in the beaker? (2 marks)

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9. Describe your results on a molecular level, using correct biological terminology.

(5 marks)

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