HEART RATE INVESTIGATION TEST

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

1. Write a 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. What is a control? Why is it necessary? What is the control in your experiment?

(2 marks) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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4. What is the control in your experiment?

(1 mark)

5. 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. What previous research has been done on your topic of investigation? (1 marks)

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9. Describe your results and use correct scientific terminology to explain why you think these results occurred.

(5 marks)

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