Validation for Caffeine Investigation 2014

1. Complete the table below for the Caffeine investigation.

|  |  |
| --- | --- |
| Term | Meaning |
| Independent variable |  |
| Dependent variable |  |
| Hypothesis |  |

(3 marks)

1. In your investigation what was the dependent variable?

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(1 mark)

1. The pulse rate of males after consuming 4 cans of diet coke was compared to the pulse rate of females who had also consumed 4 cans of diet coke measured and collected in a table.

Plot the data below onto a graph.

|  |  |  |
| --- | --- | --- |
|  | Gender | |
|  | Male | Female |
| Average Pulse rate(bpm) | 80 | 90 |

(5 marks)

1. For the investigation mentioned in question 3 one hundred (100) males where tested and so where 100 females. The results were collected and an average was calculated. Why was this done?

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(1 mark)

1. For the investigation in question 3 can you suggest a suitable hypothesis?

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(1 mark)