**Heating and Cooling**

**Assignment**

**Scientific Report**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Class:\_\_\_\_\_\_\_\_**

**Log Book – Hot Drinks Cooling**

**Aim:**

*What you want to achieve in the experiment*

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**Independent variable:** *(change)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Dependent variable:** *(measure)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Controlled variable:** *(same) list at least three (3)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hypothesis:**

If … then...

**Materials and method**: *Please add the textbook name and page number below*

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**Drawing of equipment:**

*Draw a scientific diagram with a title of your set up. Remember it should be in pencil, 2D, and label all equipment.*

**Results:**

*In the space below please construct a table of your results. You also need to attach a graph of your results*

**Discussion**

*Which drink cooled the fastest?*

*Which drink cooled the slowest?*

*Describe the trend or pattern that each graph showed. Was it increasing, decreasing or unpredictable?*

*What improvements could be made to the experiment?*

**Conclusion**

*Summarise what you discovered at the end of the experiment.*