**Year 8/9 Science Practical Report Assessment Sheet**

Student Name: .................................................................................. Date: ..............................

Experiment Title: ................................................................................

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| **Checklist**  *Have I included......* | | **Possible Marks** | **My Mark** |
| **Introduction** | * A brief description of what your experiment was about? * An explanation of the scientific concept you were investigating? * Purpose of the experiment (like an aim). * Search online for information relating DIRECTLY to the practical (reference this information). | 2 |  |
| **Research Question (RQ)** | * A research question that clearly states the purpose of your experiment and what you were trying to find out? * What? How? In your own words. | 1 |  |
| **Variables** | * Dependent variable? A variable that you measure or observe, ie temperature, time, rate of reaction. * Independent variable? A variable that is changed throughout the experiment, i.e. temperature, time, concentration of a chemical * Controlled variable? Is kept constant throughout the experiment. | 2 |  |
| **Hypothesis** | * A simple, clear prediction (an informed guess) based on your prior understandings that mention all the variables? * Describe what you will watch and measure. * Relate the hypothesis to the Research Question. * A hypothesis written in the third person? | 2 |  |
| **Materials** | * A detailed list of all materials and equipment? * Include quantities and dimensions. | 1 |  |
| **Method** | * A detailed step by step procedure of everything you did? So that anyone could repeat this experiment. * Number each step. * A labelled diagram of the equipment set up? | 2 |  |
| **Results** | * Report only what is observed. * A data table? (Title, headings, same type of information in each column). * A labelled graph? (Draw a line of best fit). | 4 |  |
| **Conclusions and Discussion** | * Did your results support your hypothesis? (Conclusions that are supported by the data are acceptable even if they appear to contradict accepted theories). * Can you explain any unexpected results? * Were there any sources of error in your measurements? * Can you make any improvements to your method to minimise errors and make your results more accurate? * How could you take this investigation further? | 5 |  |
| **References** |  |  |  |

**Comments**

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