**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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