Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due date: \_\_\_\_\_\_\_\_\_

**Year 7 Friction Investigation**

*What is the relationship between mass and friction?*

Using a take away container, brass masses and a spring balance you are to design and carry out an experiment that answers this question.

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| --- | --- | --- | --- |
| **Part** | **Details** | **Available**  **mark** | **Your**  **mark** |
| Title | Descriptive | 1 |  |
| Aim |  |  |  |
| Hypothesis | Correctly worded  Includes dependent and independent variables | 2 |  |
| Independent Variable |  | 1 |  |
| Dependent Variable |  | 1 |  |
| Controlled Variables | At least 3 | 3 |  |
| Materials | Complete  Listed | 2 |  |
| Method | Step by step with numbers  Written in past tense  Complete  Diagrams | 1  1  1  1 |  |
| Results | Table  Neat & Clear Units  Graph | 3  5 |  |
| Discussion | Errors  Effects of errors  Solutions | 1  1  1 |  |
| Conclusion | What did the results show  Use figures from your results  Does this support your hypothesis  Scientific reasons | 1  1  1  2 |  |
| **Total mark** | | **30** |  |