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**Practical Report**

Assessed Item – 15%

FOCUS: **Discussion/evaluation**. All parts will be marked, but your discussion section will be worth the most. Be sure to check the marks next to each section.

**Detecting Ions by Indirect Observation**

**Aim (1 Mark):**

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**Hypothesis (1 Mark):**

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**Variables (2 Mark):**

Independent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dependent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Controls \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Materials (1 Mark):**

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**Diagram of experimental set up (2 Marks):**

**Method (2 Marks):**

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**Results (2 Marks):**

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| --- | --- | --- | --- |
|  | **Observations** | | |
| **Solution** | **Current detected? (Yes/No)** | **Ions present (Yes/No)** | **Other observations** |
|  |  |  |  |
|  |  |  |  |
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**Discussion/Evaluation (11 Marks):**

Do your results support your hypothesis? Be sure to explain **why** your hypothesis was or was not supported (2 Marks)

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Why does a current flowing indicate the presence of ions? (2 Marks)

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Were your results accurate and reliable? Did anything happen that may have altered your results? Was there anything in the design of the experiment that may have lead to unreliable results? What was good about the design of the experiment? (3 Marks)

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If you were to do this experiment again how would you change it, in order to make your results more accurate and/or gather more useful information? (2 Marks)

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