**Task 1: Abiotic Factors Practical Marking Key**

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| **Question** | **Answers** | **Achieved** | **Out of** |
|  | ***1 mark per dot point*** |  |  |
| **Complete foundation research on [chosen organism], the ecosystems and countries it is normally found in, and the type of abiotic conditions it thrives in.** |  |  | **5** |
| **Hypothesis** |  |  | **3** |
| **Using two pieces of information from your research, justify your hypothesis** |  |  | **2** |
| **Independent variable** |  |  | **2** |
| **Dependent variable** |  |  | **1** |
| **Controlled variables** |  |  | **3** |
| **Explain what a control group is, and why it is important to include one in this kind of research** |  |  | **3** |
| **Method** |  |  | **3** |
| **Table 1** |  |  | **3** |
| **Table 2** |  |  | **3** |
| **Table 3** |  |  | **3** |
| **Graph** |  |  | **5** |
| **Describe any trends that are evident in your results by explicitly referring to the data.** |  |  | **4** |
| **In the space below, construct one question that this data raises that we cannot answer with the information we currently have.** |  |  | **1** |
| **Valid** |  |  | **3** |
| **Reliable** |  |  | **3** |
| **What impact would you expect this abiotic change to have on a real ecosystem?** |  |  | **3** |
| **Discuss any precautions that had to be taken to ensure this was an ethical** |  |  | **2** |
| **Write a scientific conclusion for this experiment.** |  |  | **2** |