**Transpiration Experiment**

**Aim:** To determine how much water is lost from hebe leaves over four days.

(Independent variable: *you* change; dependent variable: you measure; controlled variables: are kept the same)

**Hypothesis:** I think that \_\_\_\_\_\_ g of water will be lost over four days.

**Method:**

**Results:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Initial Mass (g)** | **Final Mass (g)** | **Change in Mass (g)** |
| **My Group** | 195.666 | 188.308 | 7.358 |
| **Control – stalk only** | 102.234 | 100.068 | 2.166 |
| **Control – no plant** | 94.624 | 94.570 | 0.054 |
| **Class Average** |  |  | 6.63 |

**Conclusion:**

**Agree/disagree with your hypothesis** (state result, state whether it agrees with your hypothesis

**Explain your results** (use your knowledge of science, you should refer to words such as xylem, stomata, transpiration in your explanation)

**Improvements** (you need 3-4 realistic improvements, what would make our results more believable? Is there anything else that we could control for? Could we design the experiment any better?)