**Log Book – Heating Water experiment**

**Aim:** To see if adding sugar or salt will change how quickly the temperature rises

**Independent variable:** *(change)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Dependent variable:** *(measure)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Controlled variable:** *(same)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hypothesis:** *(circle the word in the brackets about which outcome you think will happen)*

If we add (sugar/salt) then the temperature will rise (slower/faster)

**Materials**:

**Method** p.173 Oxford 7

**Diagram of Equipment:**

*Draw a scientific diagram of your set up. Remember it should be in pencil, 2D, and labelled with a title.*

**Results table of---------------------------------------------------------**

|  |  |  |  |
| --- | --- | --- | --- |
| Time (minutes) | Temperature of water without sugar or salt (°C) | Temperature of water with sugar (°C) | Temperature of water with salt (°C) |
| 0 |  |  |  |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |
| 6 |  |  |  |
| 7 |  |  |  |
| 8 |  |  |  |
| 9 |  |  |  |
| 10 |  |  |  |
| 11 |  |  |  |
| 12 |  |  |  |