**Light Intensity:**

**Experiment 1:**

**Table 1.** Results from two trials of rates of photosynthesis in spinach leaves, where the independent variable is distance of cup of solution from light source.

|  |  |  |
| --- | --- | --- |
|  | Trial One | Trial Two |
| Control (Water) | 9:49 min | 9:49 min |
| Bicarbonate (5cm from light) | 4:15 min | 3:09 min |
| Bicarbonate (15 cm from light) | 4:17 min | 3:46 min |
| Bicarbonate (25 cm from light) | 3:31 min | 3:00 min |

**Experiment 2:**

**Table 2.** Results from two trials of rates of photosynthesis in spinach leaves, where the independent variable is distance of cup of solution from light source.

|  |  |  |  |
| --- | --- | --- | --- |
| **Distance from Light (cm)** | **Height of Solution (mm)** | **Time for leaf to rise (s)** | **Rate of leaf to rise (mm/s)** |
| **Control-** 0 | 25 | 522.96 | 0.0478 |
| 0 | 28 | 287.51 | 0.0974 |
| 0 | 30 | 317.43 | 0.0945 |
| 0 |  |  |  |
| 10 | 23 | 359.28 | 0.064 |
| 10 | 23 | 363.08 | 0.0633 |
| 10 | 28 | 291.31 | 0.0961 |
| 20 | 28 | 360.84 | 0.0776 |

|  |  |  |  |
| --- | --- | --- | --- |
| 20 | 25 | 373.15 | 0.067 |
| 20 | 23 | 536.65 | 0.0429 |

**Experiment 3: Colour of light**

**Table 3.** Results from two trials of rates of photosynthesis in spinach leaves, where the independent variable is distance of cup of solution from light source.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Trial** |  |  |  |
| **Colour** | 1 | 2 | 3 | Control |
| Red | 5:04 | 6:20 | 16:18 | N/A |
| Yellow | 3:41 | 6:34 | 7:15 |  |
| Green | 4:08 | 6:41 | 24:08:00 |  |