**Class Data Table Handout**

**Rating scale: 1 = BEST; 4 = WORST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manipulated Variable**  **CORN STARCH (1)** | 10 g | \_\_\_\_\_\_\_ g | \_\_\_\_\_\_\_ g | \_\_\_\_\_\_\_ g |
| *Quantitative Results*  light glow (lux) | lux | lux | lux | lux |
| *Qualitative Results*  transparency |  |  |  |  |
| hardness |  |  |  |  |
| flexibility |  |  |  |  |
| impact resistance |  |  |  |  |
| tension |  |  |  |  |
| Sticks to a vertical wall |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manipulated Variable**  **CORN STARCH (2)** | 10 g | \_\_\_\_\_\_\_ g | \_\_\_\_\_\_\_ g | \_\_\_\_\_\_\_ g |
| *Quantitative Results*  light glow (lux) | lux | lux | lux | lux |
| *Qualitative Results*  transparency |  |  |  |  |
| hardness |  |  |  |  |
| flexibility |  |  |  |  |
| impact resistance |  |  |  |  |
| tension |  |  |  |  |
| Sticks to a vertical wall |  |  |  |  |

**Rating scale: 1 = BEST; 4 = WORST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manipulated Variable**  **VINEGAR** | 5 ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml |
| *Quantitative Results*  light glow (lux) | lux | lux | lux | lux |
| *Qualitative Results*  transparency |  |  |  |  |
| hardness |  |  |  |  |
| flexibility |  |  |  |  |
| impact resistance |  |  |  |  |
| tension |  |  |  |  |
| Sticks to a vertical wall |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manipulated Variable**  **GLYCERIN** | 5 ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml |
| *Quantitative Results*  light glow (lux) | lux | lux | lux | lux |
| *Qualitative Results*  transparency |  |  |  |  |
| hardness |  |  |  |  |
| flexibility |  |  |  |  |
| impact resistance |  |  |  |  |
| tension |  |  |  |  |
| Sticks to a vertical wall |  |  |  |  |

**Rating scale: 1 = BEST; 4 = WORST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Manipulated Variable**  **WATER** | 60 ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml | \_\_\_\_\_\_\_ ml |
| *Quantitative Results*  light glow (lux) | lux | lux | lux | lux |
| *Qualitative Results*  transparency |  |  |  |  |
| hardness |  |  |  |  |
| flexibility |  |  |  |  |
| impact resistance |  |  |  |  |
| tension |  |  |  |  |
| Sticks to a vertical wall |  |  |  |  |