**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 |  |  |  |  |