|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Small Wide Mouth Bottle** | Value | Uncertainty | % Uncertainty | Factional Uncertainty |
| Water Height |  |  |  |  |
| Radius |  |  |  |  |
| Area |  |  |  |  |
| Volume |  |  |  |  |
| Mass |  |  |  |  |
| Density |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Small Narrow Mouth Bottle** | Value | Uncertainty | % Uncertainty | Factional Uncertainty |
| Water Height |  |  |  |  |
| Radius |  |  |  |  |
| Area |  |  |  |  |
| Volume |  |  |  |  |
| Mass |  |  |  |  |
| Density |  |  |  |  |
|  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Large Bottle** | Value | Uncertainty | % Uncertainty | Factional Uncertainty |
| Water Height |  |  |  |  |
| Radius |  |  |  |  |
| Area |  |  |  |  |
| Volume |  |  |  |  |
| Mass |  |  |  |  |
| Density |  |  |  |  |
|  |  |  |  |  |

Look at your values for density. Compare them to the known value of 1g/ml. Were your results accurate? Precise? Neither? Both? Explain.

Identify sources of random error and systematic error. What could you do to mitigate these?