Making Sense of Density Lab

**Directions**:

1. Go to each of eight stations. At four stations, you will calculate the mass of four objects using a triple beam balance. At the other four stations, you will calculate the volume of four objects using water displacement. In order to the find the volume, you need to **subtract** the initial volume (either 50 ml. or 200 ml) from the volume with the object in the cylinder or beaker. You may round to the nearest whole number.

|  |  |  |  |
| --- | --- | --- | --- |
| Object | Mass (grams) | Volume (ml) | Density (mass/volume) |
| AAA battery |  |  |  |
| AA battery |  |  |  |
| C battery |  |  |  |
| D battery |  |  |  |

1. After you have completed the eight stations, you are to use calculate density by dividing mass by volume. You may once again round to the nearest whole number.