Percent Error Lab Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Instructions: In your group you will be using the scales to find the mass of each cube. You will also use the metric rulers to find the volume of each cube. With that information, you will then find the densities of each cube. Record the information in the spaces below.

Aluminum cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Steel cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Brass cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Copper cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Acrylic cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Oak cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nylon cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pine cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Poplar cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

PVC cube:

Mass = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Volume = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Density = \_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\*\*\*Once your paper is filled out – take it to Mrs. Kunde and she will give you the actual densities\*\*\*\*

|  |  |  |  |
| --- | --- | --- | --- |
| Cube | Actual Density | Your Measured Density | Your % Error |
| Aluminum |  |  |  |
| Steel |  |  |  |
| Brass |  |  |  |
| Copper |  |  |  |
| Acrylic |  |  |  |
| Oak |  |  |  |
| Nylon |  |  |  |
| Pine |  |  |  |
| Poplar |  |  |  |
| PVC |  |  |  |

