

Name: _____ Band: _____

Using the specific gravity (density) specimens, calculate the density of the 10 pieces. Use any method you desire. However, you can only have the following materials:

1. a scale
2. graduated cylinder
3. overflow can
4. a ruler

The more original your approach to calculating the density, the more points you will receive for a correct answer.

Aluminum: mass: _____ volume: _____ density: _____

Iron: mass: _____ volume: _____ density: _____

Brass: mass: _____ volume: _____ density: _____

Copper: mass: _____ volume: _____ density: _____

Rubber: mass: _____ volume: _____ density: _____

Wood: mass: _____ volume: _____ density: _____

Glass: mass: _____ volume: _____ density: _____

Cork: mass: _____ volume: _____ density: _____

Plastic: mass: _____ volume: _____ density: _____

Graphite: mass: _____ volume: _____ density: _____

Questions:

1. How can the density of regular shaped solids be calculated?
2. How can the irregular plastic be measured?
3. The cork does not sink, how do you measure it's density if you do not have a Ruler and you only have a scale and an overflow can?