

R11a Part 2 – Density, mass, and volume

Work out the density of each of these metals, and list them in order from lowest density to highest.

<p>Zinc A block with a volume of 20 cm^3 weighs 142.7 g</p> <p>Density = $\quad \text{g/cm}^3$</p>	<p>Copper A block with a volume of 7.5 cm^3 weighs 67.2 g</p> <p>Density = $\quad \text{g/cm}^3$</p>
<p>Lead A block with a volume of 7 cm^3 weighs 79.4 g</p> <p>Density = $\quad \text{g/cm}^3$</p>	<p>Nickel A block with a volume of 12 cm^3 weighs 106.97 g</p> <p>Density = $\quad \text{g/cm}^3$</p>
<p>Mercury An amount with a volume of 15 cm^3 weighs 203.0 g</p> <p>Density = $\quad \text{g/cm}^3$</p>	<p>Tin A block with a volume of 18 cm^3 weighs 131.2 g</p> <p>Density = $\quad \text{g/cm}^3$</p>
<p>Tungsten A block with a volume of 9 cm^3 weighs 173.3 g</p> <p>Density = $\quad \text{g/cm}^3$</p>	<p>Iron A block with a volume of 14.5 cm^3 weighs 114.2 g</p> <p>Density = $\quad \text{g/cm}^3$</p>
<p>Silver A block with a volume of 8 cm^3 weighs 84.0 g</p> <p>Density = $\quad \text{g/cm}^3$</p>	<p>Gold A block with a volume of 6 cm^3 weighs 115.7 g</p> <p>Density = $\quad \text{g/cm}^3$</p>