

Final Review Problems

1) $4\text{m} = \underline{400}\text{ cm}$

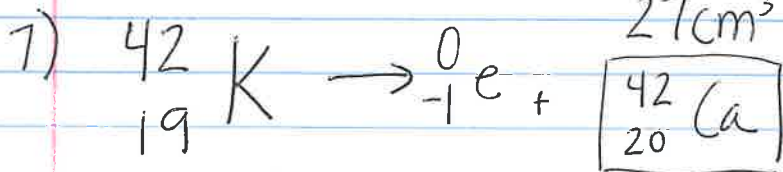
2) $39\text{g} = \underline{0.039}\text{ Kg}$

3) $2.7\text{L} = \underline{2,700}\text{ mL}$

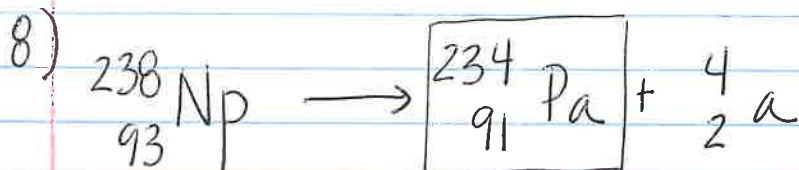
4) $43\text{mm} = \underline{4.3}\text{ cm}$

5) What is the density of CO_2 gas if $D = \frac{m}{V}$
 $m = 0.196\text{g}$ of CO_2 occupies 100mL ? $\frac{0.196\text{g}}{100\text{mL}}$
 $= 0.00196\text{g/mL}$

6) What is the density of a cube of wood that is 3cm on each side and has mass of 27g ?
 $V = (3\text{cm})^3 = 27\text{cm}^3$
 $D = \frac{27\text{g}}{27\text{cm}^3} = \underline{1.0\text{g/cm}^3}$



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