

## Handling Volume Units in Chemistry

**Volume unit questions – carry out the following unit conversions:**

1)  $0.013 \text{ dm}^3$  to  $\text{cm}^3$

2)  $2.42 \times 10^{-4} \text{ dm}^3$  to  $\text{cm}^3$

3)  $5.67 \times 10^{-2} \text{ cm}^3$  to  $\text{dm}^3$

4)  $340 \text{ cm}^3$  to  $\text{dm}^3$

5)  $20 \text{ mL}$  to  $\text{cm}^3$

6)  $4.6 \text{ mL}$  to  $\text{dm}^3$

7)  $86 \text{ }\mu\text{L}$  to  $\text{cm}^3$

8)  $0.428 \text{ g cm}^{-3}$  to  $\text{g dm}^{-3}$

9)  $7.45 \text{ g L}^{-1}$  to  $\text{g cm}^{-3}$

10)  $2.06 \times 10^{-5} \text{ mol dm}^{-3}$  to  $\text{mol cm}^{-3}$