

1. Choose the correct equation.

(a) $10^{-23} \mu\text{L} = 10^{-17} \text{mL}$

(b) $10^{-23} \mu\text{L} = 10^{-29} \text{mL}$

(c) $10^{-23} \mu\text{L} = 10^{-26} \text{mL}$

(d) $10^{-23} \mu\text{L} = 10^{-20} \text{mL}$

2. Choose the correct equation.

(a) $1 \text{L} = 10^3 \text{mL}$

(b) $1 \text{L} = 10^{-3} \text{mL}$

3. Choose the correct equation.

(a) $10^{-3} \text{kg} = 10^{-9} \text{mg}$

(b) $10^{-3} \text{kg} = 10^{-6} \text{mg}$

(c) $10^{-3} \text{kg} = 10^0 \text{mg}$

(d) $10^{-3} \text{kg} = 10^3 \text{mg}$

4. Choose the correct equation.

(a) $10^{-7} \text{mm} = 10^{-4} \text{km}$

(b) $10^{-7} \text{mm} = 10^{-1} \text{km}$

(c) $10^{-7} \text{mm} = 10^{-13} \text{km}$

(d) $10^{-7} \text{mm} = 10^{-10} \text{km}$

5. Choose the correct equation.

(a) $10^{-22} \mu\text{g} = 10^{-16} \text{kg}$

(b) $10^{-22} \mu\text{g} = 10^{-28} \text{kg}$

(c) $10^{-22} \mu\text{g} = 10^{-31} \text{kg}$

(d) $10^{-22} \mu\text{g} = 10^{-13} \text{ kg}$

6. Choose the correct equation.

(a) $1 \text{ m} = 10^3 \text{ km}$

(b) $1 \text{ m} = 10^{-3} \text{ km}$

7. What fraction or multiple of a unit does the symbol *c* represent?

(a) 10^1

(b) 10^{-1}

(c) 10^2

(d) 10^{-2}

8. Choose the correct equation.

(a) $1 \text{ m} = 10^3 \text{ mm}$

(b) $1 \text{ m} = 10^{-3} \text{ mm}$

9. Choose the correct equation.

(a) $10^{-20} \text{ ng} = 10^{-23} \mu\text{g}$

(b) $10^{-20} \text{ ng} = 10^{-14} \mu\text{g}$

(c) $10^{-20} \text{ ng} = 10^{-17} \mu\text{g}$

(d) $10^{-20} \text{ ng} = 10^{-26} \mu\text{g}$

10. Choose the correct equation.

(a) $10^{-16} \mu\text{L} = 10^{-10} \text{ mL}$

(b) $10^{-16} \mu\text{L} = 10^{-13} \text{ mL}$

(c) $10^{-16} \mu\text{L} = 10^{-19} \text{ mL}$

(d) $10^{-16} \mu\text{L} = 10^{-22} \text{ mL}$