







CONCEPT: SI UNITS (SIMPLIFIED)

SI Base Units

- The **International System of Units (SI)** is related to the metric system and is based on six base units.

SI Base Units					
Physical Quantity	Name	Symbol	Physical Quantity	Name	Symbol
 Mass	_____	_____	 Temperature	_____	_____
 Length	_____	_____	 Amount of substance	_____	_____
 Time	_____	_____	 Volume	_____	_____

EXAMPLE: Which of the following values is given with SI units?

- a) 1.25×10^4 min b) 6.82×10^{-3} mg c) 25.6°C d) 101.3 s

PRACTICE: Which of the following represents volume in SI units?

- a) $2.71 \times 10^{-1} \text{ cm}^3$ b) 207.2 km^2 c) $5.18 \times 10^5 \text{ m}^3$ d) 582.28 mm

PRACTICE: Convert 12 minutes into acceptable SI units.

- a) 720 s b) 0.20 s c) 3.33×10^{-3} s d) 4.32×10^4 s