



107 Units of Measurements

Objectives

1. Identify SI Base Units
 2. Explain derived units
 3. Use prefix to express measurements
 4. Write conversion factors using equalities
 5. Use conversion factors to change from one unit to another



107.1 Measurements

What are measurements?

107.2 SI Base Units and Derived Units

107.3a Prefix

107.3b Prefixes and Units

107.4 Equalities and Conversion Factors

107.5 Converting between Units

Convert 18 mm to m

Convert 2.5 L to mL

Convert 5.8 nm to cm

107 Concept Check

1. Convert 65.8 cm to m

2. Convert 250 mL to L

3. Convert 0.042 kg to g

4. Convert 58 mm to cm

5. Convert 562 nm to m

6. Convert 429 micrometers into centimeters