

CHAPTER  
**2**

Content Outline  
for Teaching

# Measurement

Underlined words and phrases are to be filled in by students on the Note-taking Worksheet.

## Section 2 SI Units

- A. The International System—SI units, in multiples of ten, provide a standard of consistent measurement for global science, business, and industry.
- B. Length—the distance between two points; SI unit—meter
1. Measure pencil—use centimeters
  2. Measure distance from New York to Chicago—use kilometers
- C. Volume—amount of space an object takes up; SI unit—cubic meter
1. To find volume of regular shape—measure length, width, and height and multiply
  2. To find volume of irregular shape—volume by immersion
- D. Mass—amount of matter in an object; SI unit—kilogram
- E. Weight—measurement of force; SI unit—newton
- F. Temperature—measure of kinetic energy in particles of matter; SI unit—kelvin
- G. Time—interval between two events; SI unit—second
- H. Rate—amount of change of one measurement in a given amount of time

### Discussion Question

Why is it important to have one international system of measurement? to avoid confusion

END