

Ch 1 HW: RC; Sec 1.2 Written; Con. Mas Wks Sec 1.1-1.2
Sec 1.2

obj: Define a Standard and identify the Base units of the SI system of measurements.

Measurement Systems

- We make measurements to gain information.
- A standard is a quantity used for comparison while measuring.
- Develop 7 Standards when making a measurement system.

8/30/02 8:49 AM

- 1) Distance - Base unit is the meter.
- 2) Mass - Base unit is the Kilogram
- 3) Temperature - Base unit is the Kelvin
 - * Kelvin Scale begins when the Kinetic Energy equals zero.
 - OK → Absolute Zero.
 - * °Celsius Scale.
 - Celsius Scale is based on the freezing + boiling pt of water.

Sep 8 - 11:41 AM

4) Time - Base unit is the second.

5) Electric Current - Base unit is the Ampere.

6) Luminous Intensity - Base unit is the candela.

7) Quantity of Matter - Base unit is the mole.

Sep 8 - 11:58 AM