

Handling Sharp Instruments

- When using a razor blade or scalpel you should cut the material AWAY from you.

MEASUREMENT

Measurement

Measurement: a repeatable observation of quantity that includes a number and a unit

Estimate: a reasonable guess at a quantity based on an observation.

Precision & Accuracy

Precision: refers to how detailed or exact a measurement is

- different measuring tasks require different levels of precision

Accuracy: refers to the correctness of a measurement.

S.I. System of Measurement

- Systeme International
- used by scientists worldwide
- each type of measurement has a base unit

S.I. Base units & Prefixes

temperature	degrees Celsius (°C)
density	gram per cubic centimeter (g/cm ³)
mass	gram (g)
Volume or capacity	liter (L)
Quantity - length or distance	meter (m)

Unit used in S.I. System

SI base unit for length & distance is the meter

UNIT NAME SYMBOL MULTIPLE OF METRE

Kilometer	km	1000
hectometer	hm	100
dekameter	dam	10
meter	m	1
decimeter	dm	0.1
centimeter	cm	0.01
millimeter	mm	0.001