

3.1 MEASUREMENTS:  
QUALITATIVE

QUANTITATIVE

SCIENTIFIC NOTATION:  
EXAMPLES:

RULES FOR SIGNIFICANT FIGURES (REVIEW):  
DECIMAL PLACE PRESENT

DECIMAL PLACE ABSENT

ADDITION/SUBTRACTION RULE

MULTIPLICATION/DIVISION RULE

MULTI-STEP PROBLEMS

3.2 ACCURACY VS. PRECISION:

ACCURACY

DART BOARD ANALOGY

PRECISION

## ERRORS:

ACCEPTED VALUES/THEORETICAL

EXPERIMENTAL VALUES

## CAUSES:

HUMAN ERRORS

LIMITATIONS OF EQUIPMENT

EQUATION

% ERROR EQUATION

## 3.3 LENGTH/VOLUME/MASS LENGTH

VOLUME

MASS

## 3.4 DENSITY/SPECIFIC GRAVITY: DENSITY

SPECIFIC GRAVITY

## 3.5 TEMPERATURE: CELCIUS SCALE

KELVIN SCALE

