Keyterms for chapter- DO IN YOUR NOTEBOOK

Outline 1

A. Describing matter

1. Properties of matter
   1. Matter
   2. Chemistry is
   3. Substance
   4. Physical Property
   5. Chemical Property
2. Elements
   1. What is an element
   2. Atoms
   3. Combination of atoms
      1. Chemical bond
      2. Molecule
3. Compounds
   1. Chemical formula
   2. Law of conservation of MATTER
4. Mixtures
   1. Heterogeneous
   2. Homogenous
   3. Separating mixtures

B. Measuring Matter

1. Weight and mass
   1. Weight
      1. Units of weight
   2. Mass
      1. Units of mass
2. Volume
   1. Liquid volume
   2. Solid volume
      1. Irregular
      2. Regular
3. Density
   1. Formula
   2. Units
   3. Water
   4. Sinking
   5. Floating
   6. Application

C. Changes in Matter

1. Physical Change
   1. Change of state
   2. Change of form
2. Chemical Change
   1. New substance
   2. New properties
   3. Examples
   4. LAW OF CONSERVATION OF MASS
3. Matter and thermal energy
   1. Combustion
   2. Temperature and Thermal energy
   3. Thermal energy and change
      1. Endothermic
      2. Exothermic

Energy and Matter

1. Forms of energy
   1. Kinetic
   2. Potential
2. Transforming energy
   1. Respiration
   2. Photosynthesis