



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 10.04.20

Duration: 40 min

Worksheet Solution 4

Full Marks: 15

2. Physical and chemical changes/Energy change and physical chemical changes occurring together

Choose the Correct options:

- Melting of wax is a
Ans (a) **Physical Change** (b) Periodic change (c) Chemical change (d) Irreversible change
- Burning of the wax is a
Ans (a) Physical Change (b) Periodic change (c) **Chemical change** (d) Reversible change
- Heat is a form of
Ans (a) Change (b) Temperature (c) **Energy** (d) Matter
- Heat is given out during all
Ans (a) **Exothermic change** (b) Endothermic change (c) Reversible change (d) Undesirable change
- Heat is absorbed during all
Ans (a) Exothermic change (b) Periodic change (c) **Endothermic change** (d) Undesirable change
- Formation of a heterogeneous mixture is an example of
Ans (a) Exothermic change (b) Chemical change (c) Endothermic change (d) **None**
- Melting is an example of
Ans (a) Exothermic change (b) Chemical change (c) **Endothermic change** (d) None of these
- Freezing of water is an example of
Ans (a) **Exothermic change** (b) Chemical change (c) Endothermic change (d) None
- What is the energy possessed by molecules in the different states of matter
Ans (a) **Kinetic Energy** (b) Geothermal Energy (c) Chemical energy (d) Electrical energy
- Glucose added to water is an example of
Ans (a) Exothermic change (b) Chemical change (c) **Endothermic change** (d) None
- Adding concentrated hydrochloric acid to water is a
Ans (a) **Exothermic change** (b) Periodic change (c) Endothermic change (d) None of these
- Which energy of a substance is affected in dissolution?
Ans (a) **Kinetic Energy** (b) Potential Energy (c) Bond energy (d) Electrical energy
- Photosynthesis is an example of
Ans (a) Exothermic change (b) Periodic change (c) **Endothermic change** (d) None of these
- Slaking of lime is an example of
Ans (a) **Exothermic change** (b) Periodic change (c) Endothermic change (d) None of these
- Surplus or deficit of energy in reactants and products of chemical change decide whether the change will be
Ans (a) Exothermic change (b) Periodic change (c) Endothermic change (d) **Both (a) and (c)**