



ST. LAWRENCE HIGH SCHOOL  
A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 20.03.20

Duration: 40 min

Worksheet 19

Full Marks: 15

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

**Choose the Correct options:**

1. Melting of wax is a  
Ans (a) Physical Change (b) Periodic change (c) Chemical change (d) Irreversible change
2. Burning of the wax is a  
Ans (a) Physical Change (b) Periodic change (c) Chemical change (d) Reversible change
3. Heat is a form of  
Ans (a) Change (b) Temperature (c) Energy (d) Matter
4. Heat is given out during all  
Ans (a) Exothermic change (b) Endothermic change (c) Reversible change (d) Undesirable change
5. Heat is absorbed during all  
Ans (a) Exothermic change (b) Periodic change (c) Endothermic change (d) Undesirable change
6. Formation of a heterogeneous mixture is an example of  
Ans (a) Exothermic change (b) Chemical change (c) Endothermic change (d) None
7. Melting is an example of  
Ans (a) Exothermic change (b) Chemical change (c) Endothermic change (d) None of these
8. Freezing of water is an example of  
Ans (a) Exothermic change (b) Chemical change (c) Endothermic change (d) None
9. 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
10. Glucose added to water is an example of  
Ans (a) Exothermic change (b) Chemical change (c) Endothermic change (d) None
11. Adding concentrated hydrochloric acid to water is a  
Ans (a) Exothermic change (b) Periodic change (c) Endothermic change (d) None of these
12. Which energy of a substance is affected in dissolution?  
Ans (a) Kinetic Energy (b) Potential Energy (c) Bond energy (d) Electrical energy
13. Photosynthesis is an example of  
Ans (a) Exothermic change (b) Periodic change (c) Endothermic change (d) None of these
14. Slaking of lime is an example of  
Ans (a) Exothermic change (b) Periodic change (c) Endothermic change (d) None of these
15. 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)