ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Sub: Physical Science **Class: 8** **Date: 10.04.20**

Duration: 40 min **Worksheet 4** **Full Marks: 15**

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

Choose the Correct options:

1. Melting of was 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 of 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) None of these