



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Physical Science**

**Class: 8**

**Date: 23.11.20**

**Duration: 40 min**

**Worksheet Solution 06**

**Full Marks: 15**

## LANGUAGE OF CHEMISTRY

### Choose the Correct options:

- In an exothermic reaction, heat is ...
  - taken in or absorbed
  - given out or released**
  - created
  - destroyed
- In an endothermic reaction, heat is ...
  - taken in or absorbed**
  - given out or released
  - created
  - destroyed
- What type of reaction occurs in a hand warmer?
  - exothermic**
  - endothermic
  - hypothermic
  - synthetic
- Exothermic reactions...
  - Absorb energy
  - Release energy**
  - Release Color
  - Absorb Color
- Is photosynthesis an exothermic or endothermic reaction?
  - Endothermic**
  - Exothermic
  - Neither
  - Cannot be determined
- Baking bread and cooking an egg are examples of...?
  - Endothermic processes**
  - Exothermic processes
  - Neither
  - None of these
- If a chemical reaction is EXOTHERMIC, the temperature would....
  - Stay the same
  - Increase**
  - Decrease
  - Becomes zero
- Have you ever eaten sherbet sweets candy? They fizz in your mouth and your tongue feels cold. Why do you think that is?
  - It is an exothermic reaction
  - It is an endothermic reaction**
  - It is made of ice
  - It is dissolving your mouth
- When you freeze water, it turns to ice. What kind of change is this?
  - Physical**
  - Chemical
  - Metaphysical
  - Magical
- Glucose dissolves in water. This is an example of...
  - Physical Change**

- b. Chemical Change
  - c. Endothermic Change
  - d. Both a and c**
11. A student mixed two chemicals to allow them to react. The temperature before the reaction was 25 ° C. The temperature after the reaction was 18° C. Which of the following is true?
- a. The temperature changed
  - b. It is an endothermic reaction
  - c. It is an exothermic reaction
  - d. Two of the answers are correct**
12. After you mix two substances together, a new substance forms. This is an example of:
- a. Physical Change
  - b. Chemical Change**
  - c. Metaphysical Change
  - d. None of these
13. Is respiration an endothermic or exothermic reaction.
- a. Endothermic
  - b. Exothermic**
  - c. Both
  - d. Neither
14. Evaporation is an endothermic reaction because.....
- a. Heat energy is absorbed causing the water molecules to vibrate more and escape the surface.
  - b. Heat energy is given out as the molecules escape the surface.**
  - c. The motion of the molecules slows down.
  - d. The water molecules break to form oxygen and hydrogen.
15. The Thermite reaction is used to weld railway lines. Is it an endothermic or exothermic reaction?
- a. Exothermic**
  - b. Endothermic
  - c. Both
  - d. Neither