



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Physical Science

Class: 8

Date: 30.04.20

Duration: 40 min

Worksheet Solution 21

Full

Marks: 15

## ELEMENTS COMPOUNDS AND MIXTURES/MIXTURES

Choose the Correct options:

- Which of the following best describes a chemical mixture?
  - A compound made from different elements
  - A substance made through chemical bonding
  - C. When two substances are combined, but are not chemically bonded**
  - All of the above
- Which of the following is NOT a property of a mixture?
  - The components can be easily separated
  - B. The original properties of the combined substances are changed**
  - The proportion of the components is variable
  - Two or more substances are combined
- Which of the following is an example of a homogeneous mixture?
  - Salt water
  - Metal alloys
  - Air
  - D. All of the Above**
- In what type of mixture are the substances evenly distributed throughout the mixture?
  - A. Homogeneous**
  - Heterogeneous
  - All types of mixtures
  - No types of mixtures
- What is the substance that dissolves in a solution called?
  - Solvent
  - Suspension
  - C. Solute**
  - Colloid
- Salt water is an example of what type of mixture?
  - Alloy
  - Suspension
  - C. Solution**
  - Heterogeneous
- Which of the following statements is true about mixtures and solutions?
  - Solutions are heterogeneous mixtures
  - B. A solution is a type of mixture**
  - All mixtures are solutions
  - All of the above
- What type of mixture is steel?
  - A. Alloy**
  - Suspension
  - Solution
  - Heterogeneous
- Which of the following is a mixture between a liquid and a solid where the solid does not dissolve?
  - Alloy
  - B. Suspension**
  - Solution
  - None of the Above
- What type of mixture is milk?

- A. Suspension
  - B. Solution
  - C. Colloid**
  - D. None of the Above
- 11) When salt is mixed into water it becomes
- A. element
  - B. compound
  - C. mixture**
  - D. solute
- 12) Alloys include
- A. steel
  - B. brass
  - C. bronze
  - D. all of them**
- 13) What is a mixture?
- A. a combination of elements to make a new substance
  - B. a chemically combined substance
  - C. a combination of substances where new substances are formed through a reaction
  - D. a combination of substances in which the atoms of the substance do not chemically combine**
- 14) In a solution which part of the solution is the solute: ice tea mix or water?
- A. ice
  - B. tea mix**
  - C. water
  - D. ice tea
- 15) What is a substance that is dissolved in another substance?
- A. Solution
  - B. Solute**
  - C. Solvent
  - D. compound