



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

TERM- 3

Subject- Physical Science Worksheet- 4 Class –9

Date- 14.11.2020

Topic- Separation of Mixtures

CHOOSE THE CORRECT OPTION- (MCQ)

MARKS : 1× 15

1. A solid substance is dissolved in water. Which of the following methods is used for separating it?

- (a) Distillation
- (b) Evaporation
- (c) Filtration
- (d) Decantation

2. Iron is separated from the mixture by:

- (a) magnetic separation
- (b) sedimentation
- (c) winnowing
- (d) Sieving

3. The process of settling down of the particles of an insoluble solid in a liquid is called.

- (a) decantation
- (b) sedimentation
- (c) winnowing
- (d) Sieving

4. Air is a:

- (a) pure substance
- (b) heterogeneous mixture
- (c) the compound of oxygen and nitrogen
- (d) homogeneous mixture

5. Oil and water can be separated through

- (a) filter paper
- (b) distillation
- (c) evaporation
- (d) separating funnel

6. Which of the following is a heterogeneous mixture?

- (a) a salt solution
- (b) a salt-pepper mixture
- (c) air
- (d) a fizzy drink

7. Which of the following is a homogeneous mixture?

- (a) mist
- (b) a sand-water mixture
- (c) an oil-water mixture
- (d) a nitrogen-oxygen mixture

8. Tiny pieces of stones are usually separated from pulses before cooking by the method called

- (a) threshing
- (b) sieving
- (c) hand picking
- (d) winnowing

9. The process of changing vapour into its liquid is called

- (a) condensation
- (b) loading
- (b) winnowing
- (d) evaporation

10. Materials which contain two or more substances in any proportion are called _____

a.Mixtures

b. Compounds

c.elements

d.none of these

11. _____ mixtures are not uniform in appearance and composition.

a.Homogeneous

b.heterogeneous

C.compounds

d.none of these

12.Cereals like wheat and rice are sources of _____.

b. Protein

c. Fats

d. None of these

13. The process in which a liquid change into vapour is called _____.

a.evaporation

b.sedimentation

c.distillation

d. None of these

14. _____ is a process of separating the component of substances from a liquid mixture by selecting evaporation and condensation.

a. distillation

b.separating funnel

c.filteration

d. none of these

15. . There are four mixtures A, B, C and D. The mixture A contains sand and sugar, mixture B contain chalk powder and salt, mixture C contains salt and sugar, whereas mixture D contains sugar and charcoal powder. Which one of these mixtures cannot be separated by using water as a solvent?