



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject : Physical science Answers of Worksheet- 9 Class: 7**
- **Date 9.06.2020**
- **Chapter : Elements, Compounds and Mixtures**
- **Answer the following questions (MCQ) : (1×15)**

- Question 1

Q. Sand and gravel may be separated from each other through using..

answer choices

- a filter funnel
- a sieve
- an evaporating basin
- a distillation

Answer a sieve

Question 2

Q. Which of the following pairs of substances may best be separated through distillation

answer choices

- sand and soil
- water and soil
- salt and sand
- water and alcohol

Answer water and alcohol

Question 3

Q. Which one of the following techniques would best be used to separate soil and water?

answer choices

- Decanting
- distillation
- Filtration
- Chromatography

Answer Filtration

Question 4

Q. Which one of the following solids is insoluble in water?

answer choices

- sugar
- sand
- copper sulfate
- Salt

Answer sand

Question 5

Q. Name the separation technique shown in the diagram.

answer choices

evaporation
distillation
filtration
decanting

Answer evaporation

Question 6

Q. Sodium chloride can be separated from rock salt by first adding water to the mixture to dissolve the sodium chloride. The separation then takes place in two stages:

answer choices

evaporation followed by filtration
distillation followed by decanting
filtration followed by evaporation
filtration followed by decanting

Answer filtration followed by evaporation

Question 7

Q. Two or more substances mingled together, but not chemically combined are known as a

answer choices

residue
solution
distillate
mixture

Answer solution

Question 8

Q. The separation technique that involves heating a solution until the liquid changes into a gaseous state, leaving behind a solid is known as

answer choices

decanting
evaporation
loading
chromatography

Answer evaporation

Question 9

Q. The diagram shows the apparatus for separating soil and water. What are the labelled parts?

answer choices

A = residue, B = distillate
A = residue, B = filtrate
A = filtrate, B = residue
A = distillate, B = filtrate

Answer A = residue, B = filtrate

Question 10

Q. In the process of evaporation, which one of the following pieces of laboratory apparatus would NOT be used?

answer choices

filter funnel
bunsen burner
evaporating basin
wire gauze

Answer filter funnel

Question 11

Q. Which one of the following methods is used to separate the colours in food dyes?

answer choices

winning

Threshing

Crystallization

Chromatography

Answer Chromatography

Question 12

Q. The separation technique shown in the diagram is

answer choices

fractional distillation

centrifugation

filtration

chromatography

Answer fractional distillation

Question 13

Q. In a coffee machine, the ground coffee is separated from the coffee solution by using..

answer choices

sand paper

filter paper

toilet paper

tissue paper

Answer filter paper

Question 14

Q. Dyes in water soluble markers may be separated by means of..

answer choices

crystallization

sublimation

chromatography

sedimentation

Answer chromatography

Question 15

Q. Which one of the following would you use to separate sand from iron filings?

answer choices

a bar magnet

filter paper

chromatography paper

alum

Answer a bar magnet

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