



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject : Physical science 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

• 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

• Question 3

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

answer choices

Decanting

distillation

Filtration

Chromatography

• Question 4

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

[answer choices](#)

sugar

sand

copper sulfate

salt

- Question 5

Q. Name the separation technique shown in the diagram.

[answer choices](#)

evaporation

distillation

filtration

decanting

- 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

- Question 7

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

[answer choices](#)

residue

solution

distillate

mixture

- 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

• 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

• 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

• Question 11

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

[answer choices](#)

winnowing

Threshing

Crystallization

chromatography

• Question 12

Q. The separation technique shown in the diagram is

[answer choices](#)

fractional distillation

centrifugation

filtration

chromatography

- 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

- Question 14

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

[answer choices](#)

crystallization

sublimation

chromatography

sedimentation

- 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

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