



CBSE Practice papers

SEPARATION OF SUBSTANCES

class-6-Science Number of Questions: 61

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1

The method used to separate stones from rice is:

- Filtration Hand picking Threshing Winnowing

2

Which of these methods, is a method of separating grains from husk?

- Winnowing Hand picking Threshing Sieving

3

Chalk powder suspended in water, can be separated from it by the process of:

- Decantation Condensation Filtration Centrifugation

4

Paneer is separated from curdled milk by the process of:

- Condensation Filtration Sedimentation Decantation

5

A solution of sugar is a :

- Homogeneous solution Semi-homogeneous solution Heterogeneous solution
 Semi-heterogeneous solution

6

What is the essential property of substance, which has to be separated

from a mixture by the process of winnowing?

- Difference in shape Difference in colour Difference in weight
 Difference in size

7

Dust particles in water can be made to settle down faster by using:

- Alum Common salt Sugar Cooking soda

8

Convenient way to separate unwanted solid particles from a liquid is:

- Centrifugation Filtration Condensation Evaporation

9

Common salt is obtained from sea water by the process of:

- Evaporation Condensation Centrifugation Sieving

10

Pure substances have fixed:

- Melting point Boiling point Both melting and boiling point
 Pure substances do not have fixed properties

11

Which of the following processes are employed to separate out butter from curd?

- Sieving Churning Evaporation Threshing

12

The process of separating impurities from flour is called:

- Filtration Sieving Decantation Winnowing

13

Iron particles are separated from rags by:

- Using a Sieve Using a magnet Decantation Winnowing

14

The process in which a liquid gets converted into its solid form is called:

- Heating Diluting Freezing Melting

15

In which shape is a filter paper folded, for the process of filtration?

- Conical Cylindrical Cubic Round

16

A solution which cannot dissolve more of a given substance at a given temperature is:

- A Saturated solution An unsaturated solution An immiscible Solution
 A miscible Solution

17

What kind of water is rain water?

- Saline water Distilled water Carbonated water Saturated water

18

Which of the following solutions can dissolve more sugar?

- Saturated Unsaturated Cold sugar solution None of the above

19

Liquids which mix with each other and do not form separate layers are called :

- Miscible liquids Unsaturated solution Compound Saturated solution

20

Mud in water can be separated by means of:

- Evaporation Sedimentation and decantation Condensation Centrifugation

21

Centrifugation process is used to separate:

- Salt from sea water
- Chalk from water
- Cream from milk
- Mud from dirty water

22

The clear liquid obtained after filtration is called:

- Filtrate
- Residue
- Solution
- Water

23

During filtration process, the dust particles which remain on the filter paper are collectively called:

- Filtrate
- Residue
- Impurity
- Solution

24

A solution in which no more solute can be dissolved is called:

- Super saturated solution
- Saturated solution
- Miscible solution
- Compound solution

25

The process by which water vapour gets converted into water is called:

- Condensation
- Decantation
- Evaporation
- Vaporization

26

The removal of grain from the stalks is called:

- Harvesting
- Beating
- Threshing
- Picking

27

Those liquids which do not mix with each other and form separate layers are called:

- Immiscible liquids
- Miscible liquids
- homogeneous mixture
- Uniform mixture

28

By which of the following ways, can we separate two immiscible liquids?

- By using a separating funnel
- Evaporation
- Filtration
- Centrifugation

29

The process by which useful products are separated from crude oil is:

- Condensation Fractional distillation Decantation Filtration

30

Which is the best method for separating a solution of two miscible liquids?

- By using a separating funnel Centrifugation Distillation Sedimentation

31

The substance in which a solute is dissolved to form a solution is called:

- Solute Solvent Solution Water

32

Which of the following is essential to perform winnowing?

- Soil Wind Water Fire

33

Hand picking method is effective for a/an:

- Gaseous mixture Solid mixture Liquid mixture Oil mixture

34

Separation of kerosene oil and water is done by:

- Centrifugation Condensation Evaporation Separating funnel

35

In electric water filters, UV rays are used to:

- Filter impurities in water Kill harmful germs and bacteria Heat water
 Increase the sweetness of water

36

The process of mixing food materials with cheap, unwanted and sub-standard substances is called:

- Decantation Filtration Adulteration Precipitation

37

Filtration is used in:

- Separating tea leaves from tea Separating water from milk
 Separating salt from water Separating stones from grains

38

Which of the following cannot be separated by hand-picking?

- Salt from sand Pebbles from rice Stones from grains Guavas from apples

39

In the process of evaporation, water changes into:

- Vapour Oxygen Air Ice

40

Water and sand are separated from each other by:

- Sieving Evaporation Filtration Sedimentation and decantation

41

Grains from a bundle of paddy stalk, can be separated by:

- Winnowing Threshing Sieving Harvesting

42

Flour and rice grains can be separated by the process of:

- Filtration Winnowing Sieving Condensation

43

Which of the following forms of water will dissolve more sugar?

- Water at high temperature Ice cold water Water at normal temperature
 Water at low temperature

44

Water is a:

- Compound Mixture Molecule Element

45

The solubility of a solid in water increases with increase in:

- Pressure Temperature Cooling Direction

46

Which of the following is the purest forms of water?

- Tap water Heavy water Sea water Distilled water

47

Iron pins can be separated from sand by the process of:

- Sedimentation Magnetic separation Elimination Winnowing

48

The method by which impurities and bran can be removed from flour is:

- Sieving Condensation Filtration Sedimentation

49

The process in which water vapour changes into the liquid state on cooling, is called:

- Evaporation Condensation Crystallisation Sedimentation

50

The process of crystallisation is used to obtain:

- A liquid from a salt solution Rice from pebbles Butter from curd
 Pure salt from impure salt

51

Which of the following is not a method of separation of substances:

- Threshing Filtration Saturation Sedimentation

52

The spinner in a washing machine, that dries clothes; works on the principle of:

- Evaporation Sedimentation Filtration Centrifugation

53

Ground nuts can be separated from a mixture of almonds and cashew nuts by:

- Hand picking Filtration Sieving Threshing

54

If salt is completely dissolved in water, is it possible to separate it from water by filtration?

- Yes No

55

Winnowing is used to separate components of the same weight.

- True False

56

Evaporation occurs when a:

- Gas becomes a liquid Solid becomes a liquid Liquid becomes a gas
 Gas becomes plasma

57

The process of making particles of mud heavy using alum is called:

- Evaporation Crystallisation Loading Mixing

58

Which of the following statements is false?

- We can separate a mixture of ground nut and cashews by hand picking
 A sieve is used to separate particles of different sizes
 The unwanted particles present in a substance are called impurities
 A mixture of milk and water can be separated by filtration

59

Sand and gravel may be separated from each other by using:

- A filter funnel Winnowing A sieve Filtration

60

Mixture of saw dust and water can be separated by the process of:

- Centrifugation Sedimentation Decantation Filtration

61

Which of the following is a heterogeneous mixture?

- A mixture of water and sugar A mixture of water and saw dust
 A mixture of water and glucose A mixture of water and table salt

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