

Q1

Station 1

When a mixture with one substance spreads out evenly in another substance and you cannot tell the two substances apart-

- A) mixture
- B) solution
- C) substance
- D) ingredient

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Q2

Station 1

Which of the following is a single part of a mixture?

- E) solution
- F) substance
- G) mixture
- H) physical property

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Q3

Station 1

To break down and spread out evenly in a substance-

- J) mixture
- K) density
- L) substance
- M) dissolve

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Q4

Station 1

A combination of two or more substances that does not produce a new substance-

- N) mixture
- O) solution
- P) substance
- Q) physical property

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Q1

Station 2

All of the following are ways to separate a mixture of gravel and water except-

- A) use tweezers to pick out the pieces of gravel
- B) pour the mixture through a sieve (strainer)
- C) place a magnet in it to pick up the rocks
- D) boil the water to evaporate it

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Q2

Station 2

Which of the following substances is not soluble in water?

- A) oil
- B) sugar
- C) lemon juice
- D) salt

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Station 2

What change happens when water mixes with sugar?

- A) the state of the water changes
- B) the shape of the water changes
- C) the appearance of the sugar changes
- D) the taste of the sugar changes



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Q4

Station 2

A mixture of nails, beads, and wires would be easy to separate because all the objects are-

- A) less dense than water
- B) solids
- C) magnetic
- D) made of the same material

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Q1

Station 3

Mr. Henry put salt on the wet concrete of his sidewalk. When the concrete dried later in the day, the salt was gone. What most likely happened to the salt?

- A) It became a gas.
- B) It dissolved in the water.
- C) It turned into concrete.
- D) It flew away in the wind.

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Q2

Station 3

Which property of iced tea changes when it is mixed with sugar?

- A) taste
- B) physical state
- C) color
- D) name

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Q3

Station 3

Which tool can be used to easily separate iron filings from sand?

- A) water
- B) graduated cylinder
- C) sieve (strainer)
- D) magnet

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Q4

Station 3

Mixtures can be made to easily separate. Which of these mixtures is the easiest to separate?

- A) water and gravel
- B) water and cinnamon
- C) water and flour
- D) water and sugar

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Q1

Station 4

Missy is baking a cake. She combines flour, baking powder, cake mix, and salt in a bowl and stirs the ingredients. This combination of ingredients is called a-

- A) solution
- B) mixture
- C) substance
- D) compound

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Q2

Station 4

All of the following are mixtures except-

- E) milk
- F) soda
- G) sugar
- H) lemonade

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Q3

Station 4

What happens when you add food coloring to water?

- A) The food coloring changes color.
- B) The food coloring stays on top of the water because it's less dense.
- C) The food coloring mixes with the water.
- D) The food coloring sinks to the bottom of the water.

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Q4

Station 4

What tool could be used to separate water and sand?

- E) magnet
- F) filter paper
- G) triple-beam balance
- H) beaker

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Q1

Station 5

How would you separate a solution of Kool-Aid mix and water?

- A) paper filter
- B) magnet
- C) evaporate the water
- D) sieve (strainer)

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Q2

Station 5

Tyler pours 7 grams of salt in a beaker of 10 grams of water. If he separates the solution by heating it, how much salt will remain after the water evaporates?

- E) 0 g
- F) 7 g
- G) 17 g
- H) 70 g

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Q3

Station 5

When two different types rocks like quartz and slate are mixed, they-

- J) change their physical properties like color
- K) are impossible to separate
- L) keep their physical properties
- M) dissolve in each other

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Q4

Station 5

A $\frac{1}{2}$ cup of a substance is added to water and stirred. The result is the substance doesn't appear to be there anymore. We can conclude that the substance-

- P) it was less dense than water
- Q) is magnetic
- R) dissolved in water
- S) made the water taste sweet

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