



Name _____ Class _____ Date _____

1 Almost $\frac{3}{4}$ of the earth is **covered by water**. Most of this water lies in our vast oceans and large lakes. Lake water usually lacks the salt that ocean waters have. Since the salt in the ocean **cannot be seen**, salt water is a _____.

A compound
B suspension
C heterogeneous mixture
D homogeneous mixture



2 Orange juice can be purchased with or without pulp in it. The pulp in orange juice **settles** to the **bottom** because _____.

A orange juice is a suspension
B there is too much juice with the pulp
C the pulp is the wrong color
D orange juice is a compound



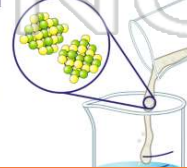
3 Solutions are mixtures made up of both solutes and solvents. Which of the phrases below about **solutions** is correct?

A solvents dissolve solutes
B solutes dissolve solvents
C solutions are made of only



4 What can be done to increase the **concentration** of a solution?

A add more solvent
B decrease the temperature

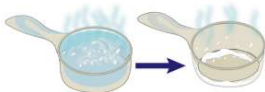


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7

A add more water
B add more salt
C freeze the water
D boil the water



8

Substance
B milk particles refract light
C milk has fat in it
D milk has particles that do not settle



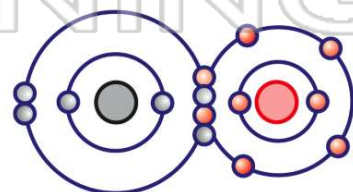
9 An effective way to remove iron filings from a mixture of **iron filings** and sawdust would be to _____.

A use filter paper
B use a magnet
C melt the mixture
D freeze the mixture



10 On the list below, which substance is a **compound**?

A CO
B C
C He
D Cu





ANSWER KEY

Almost $\frac{3}{4}$ of the earth is covered by water. Most of this water lies in our vast oceans and large lakes. Lake water usually lacks the salt that ocean waters have. Since the salt in the ocean cannot be seen, salt water is a _____.

- A compound
- B suspension
- C heterogeneous mixture
- D homogeneous mixture



(d)

Orange juice can be purchased with or without pulp in it. The pulp in orange juice settles to the bottom because _____.

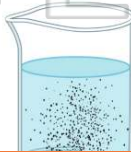
- A orange juice is a suspension
- B there is too much juice with the pulp
- C the pulp is the wrong color
- D orange juice is a compound



(a)

Solutions are mixtures made up of both solutes and solvents. Which of the phrases below about solutions is correct?

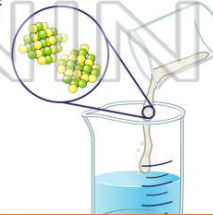
- A solvents dissolve solutes
- B solutes dissolve solvents
- C solutions are made of only one substance



(a)

What can be done to increase the concentration of a solution?

- A add more solvent
- B decrease the temperature
- C add more solute



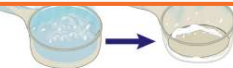
(c)



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- A add more water
- B add more salt
- C freeze the water
- D boil the water



- refract light
- C milk has fat in it
- D milk has particles that do not settle



An effective way to remove iron filings from a mixture of iron filings and sawdust would be to _____.

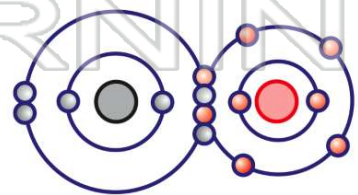
- A use filter paper
- B use a magnet
- C melt the mixture
- D freeze the mixture



(b)

On the list below, which substance is a compound?

- A CO
- B C
- C He
- D Cu



(a)