

What happens when materials are mixed?

Matching

1. solution	a. The substance that is dissolved by a solvent
2. solute	b. The mixture of a solute and a solvent
3. solvent	c. The substance that dissolves the solute

1- _____

2- _____

3- _____

miscible	immiscible	density
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4. Olive oil and water do not mix. They are _____.

5. Acid and alcohol do mix because they have equal _____.

6. Water and fruit juice are _____ because they mix.

soluble	insoluble	filtration	evaporation
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- A cube of sugar dissolves in water. It is (7) _____ in the water. There is no chemical reaction between the two. The solid can be separated by (8) _____

- Sand doesn't dissolve in water. It is (9) _____ in the water. There is no chemical reaction between the two. The solid can be separated by (10) _____

Circle the correct answer:

1. Burning is an example of what type of change?

- A. reversible B. irreversible

2. Melting is an example of what type of change?

- A. reversible B. irreversible

3. 'Most reversible changes are physical changes.' True or false?

- A. true B. false

4. Which one of these changes is reversible?

- A. frying an egg B. melting chocolate C. burning wood

5. Which one of these changes is irreversible?

- A. freezing water B. dissolving salt in water C. making bread into toast
6. 'Changes to some mixed materials can be reversed by evaporation.' True or false?
- A. true B. false
7. 'If you beat an egg, its chemical composition will change.' True or false?
- A. true B. false
8. Which of these materials will dissolve in water?
- A. sand B. cooking oil C. salt
9. Which word describes a material that doesn't dissolve in water?
- A. solution B. insoluble C. soluble
10. How could you make a solid dissolve faster in water?
- A. stir it B. freeze it C. use bigger pieces