

What Are Mixtures and Solutions?

Science Words

Say each word quietly to yourself. Then read the meaning.

Read the tip to help you remember.

mixture [MIKS•cher] a combination of two or more substances that keep their identities

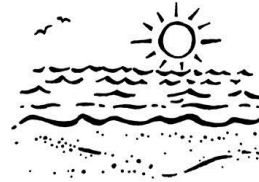
Mixture contains the word *mix*. To mix things is to combine them. To make a *mixture*, you mix things together.



A fruit salad is a mixture.

solution [suh•LOO•shuhn] a mixture that has the same composition throughout

Solution, *specific*, and *same* begin with the same sound. A *solution* is a specific kind of mixture—it is the same throughout.



The ocean is a solution of salt and water.

What Are Mixtures and Solutions?

Science Concepts

Read the Ideas more than once. Do your best to remember them.

1. Everything that is part of a mixture keeps its own identity.
2. A carbonated drink is a mixture of water, a liquid, and carbon dioxide, a gas.
3. The matter in a mixture may not be spread evenly throughout the mixture.
4. A solution is a mixture in which the matter is spread evenly throughout.
5. A solution forms when one kind of matter dissolves in another kind of matter.
6. Some, but not all, solids dissolve in liquids.
7. Salt and sugar dissolve in water; rocks and sand do not dissolve in water.
8. Most solutions are made of two or more liquids, such as the liquids that make gasoline.
9. Gases can also form solutions, such as the different gases in air.
10. Physical properties can be used to separate the matter in mixtures.