



Mixtures

Sometimes, elements can be mixed or combined together, but they do not react or bond to form new compounds. This type of combination of two or more elements or compounds is called a mixture. For example, air is a mixture of oxygen, nitrogen, and other gases.



Key Facts

- ✓ A mixture is made up of two or more different elements or compounds.
- ✓ Mixtures contain elements and/or compounds that are not chemically bonded together.
- ✓ The elements or compounds keep the properties they had before they were mixed.
- ✓ Elements in a mixture can be separated from one another without using chemical reactions.

Iron and sulfur mixture

This mixture is made of sulfur powder and iron filings. The two elements do not react or bond when they are mixed, and can be easily separated using a magnet.



Atoms in Mixtures

As the different elements in a mixture are not chemically bonded, their atoms do not mix in a regular pattern or shape. Instead, they form a random pattern.

