

How are mixtures and compounds different?

Lesson Review

Complete the following.

1. Substances that make up a _____ lose their original properties.
2. A _____ can be separated by physical means.
3. Iron sulfide contains the elements _____ .
4. The elements that make up a _____ are chemically combined.
5. Each substance in a mixture of iron and sulfur keeps its own _____ .
6. A _____ has a definite chemical composition.
7. Iron sulfide is an example of a _____ .
8. A _____ has no definite chemical composition.
9. A _____ can be separated only by chemical means.
10. _____ a mixture of iron filings and sulfur will make the iron and sulfur atoms combine chemically.

Skill Challenge

Skills: *comparing, analyzing*

Decide whether each statement is true for compounds and mixtures by writing either *yes* or *no* in the spaces provided.

Statement	Compound	Mixture
Has a definite chemical composition	1.	2.
Can be separated by physical means	3.	4.
Made up of two or more substances	5.	6.
Elements that form it keep their own properties.	7.	8.
Elements are joined chemically.	9.	10.