

What is a chemical formula?

Lesson Review

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. A chemical formula is a way of writing the name of a compound using chemical symbols.
- _____ 2. The compound water contains the elements hydrogen and chlorine.
- _____ 3. Sodium chloride is made up of the metal sodium and the metal chlorine.
- _____ 4. The subscript 1 is never written in a chemical formula.
- _____ 5. The chemical symbol for iron is Ir.
- _____ 6. A subscript is a number written to the lower left of a chemical symbol.
- _____ 7. The chemical formula for water is HO.
- _____ 8. In a chemical formula, the symbol for the nonmetallic element is always written first.
- _____ 9. Compounds consist of two or more elements joined together.
- _____ 10. Chemical formulas are used to represent elements.

Skill Challenge

Skills: *interpreting tables, applying concepts*

Complete the table below. Identify the names of the elements, the kind of element (metal or nonmetal) and the number of atoms of each element in the compounds listed.

Formula	Names of Elements	Kinds of Elements	Number of Atoms of Each Element
Ag ₂ S	1.	2.	3.
H ₂ O	4.	5.	6.
AlCl ₃	7.	8.	9.
HCl	10.	11.	12.
NaOH	13.	14.	15.