

WHAT ARE THE SYMBOLS FOR THE ELEMENTS?

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Hydrogen
Oxygen

$$H + H + O = H_2O$$

Sulfur

$$S + O + O = SO_2$$

symbol: the short way of writing an element

CHARTS OF SOME CHEMICAL SYMBOLS

CHART I:

<i>Element</i>	<i>Symbol</i>
oxygen	O
carbon	C
nitrogen	N
hydrogen	H

CHART II:

<i>Element</i>	<i>Symbol</i>	<i>Element</i>	<i>Symbol</i>
osmium	Os	chromium	Cr
chlorine	Cl	cadmium	Cd
calcium	Ca	europium	Eu
helium	He	palladium	Pd
aluminum	Al	platinum	Pt
nickel	Ni	zinc	Zn

CHART III:

<i>Element</i>	<i>Symbol</i>	<i>Named for</i>
californium	Cf	California
europium	Eu	Europe
curium	Cm	Marie Curie, French scientist
fermium	Fm	Enrico Fermi, Italian physicist

CHART IV:

<i>Element</i>	<i>Symbol</i>	<i>Foreign name</i>
lead	Pb	plumbum (Latin)
gold	Au	aurum (Latin)
barium	Ba	barys (Greek)
lithium	Li	lithos (Greek)

FIND THE RIGHT SYMBOL The first sentence in each pair of this exercise is complete. Fill in the blank in the second of each pair of sentences.

1. The symbol for nitrogen is N.
The symbol for neon is _____.
2. The Latin name for sodium is *natrium*.
The symbol for sodium is _____.
3. The symbol for fluorine is F.
The symbol for francium is _____.
4. The symbol for hydrogen is H.
The symbol for holmium is _____.
5. The symbol for carbon is C.
The symbol for cobalt is _____.

COMPLETING SENTENCES Complete the sentences with the words below.

capital two symbol small

1. The short way of writing an element is called its _____.
2. The first letter of a chemical symbol is always a _____ letter.
3. If a chemical symbol has two letters, the second letter is always a _____ letter.
4. A chemical symbol never has more than _____ letters.