

# Reviewing Element Names and Symbols

KEY

**Goal** • Review the names and symbols of various elements by finding them in the periodic table.

## What to Do

Complete the following tables. Refer to the periodic table in Appendix C of your textbook.

1. Write the full name of the element beside each symbol.

Symbol	Element name	Symbol	Element name
Cl	Chlorine	Ca	Calcium
C	Carbon	Mg	Magnesium
Ne	Neon	Si	Silicon
N	Nitrogen	S	Sulfur
He	Helium	P	Phosphorus
F	Fluorine	K	Potassium

2. Write the correct symbol next to the name of each element.

Element name	Symbol	Element name	Symbol
sodium	Na	gold	Au
lithium	Li	silver	Ag
aluminum	Al	copper	Cu
boron	B	cobalt	Co



## Determining the Number of Atomic Particles

1. Each row in the table represents a different element. Use the information provided to fill in the required information for that element.

Number of protons in the atom	Number of electrons in the atom	Number of neutrons in the atom	Atomic mass of the atom	Atomic number of the atom	Element name	Chemical symbol
7	7	7	14	7	Nitrogen	N
5	5	6	11	5	Boron	B
1	1	0	1	1	Hydrogen	H
20	20	20	40	20	Calcium	Ca
30	30	35	65	30	Zinc	Zn
13	13	14	27	13	Aluminum	Al
9	9	10	19	9	Fluorine	F
23	23	28	51	23	Vanadium	V
17	17	18	35	17	Chlorine	Cl
3	3	4	7	3	Lithium	Li
79	79	118	197	79	Gold	Au
11	11	12	23	11	Sodium	Na
33	33	42	75	33	Arsenic	As
50	50	69	119	50	tin	Sn
19	19	20	39	19	Potassium	K

2. Create a similar exercise to the one above and exchange with one of your classmates.

Protons	Electrons	Neutrons	Atomic mass	Atomic number	Element name	Chemical symbol