

Atoms, Elements & Compounds

Elements

1. Identifying Elements

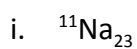
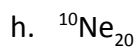
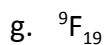
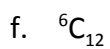
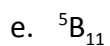
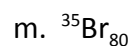
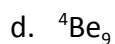
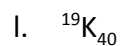
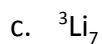
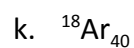
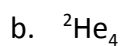
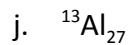
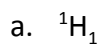
For each of the following, write the name of the element to which the atom belongs. Use a periodic table to help you.

- a. Atoms with 6 protons _____
- b. Atoms with 10 protons _____
- c. Atoms with 1 proton _____
- d. Atoms with 12 protons _____
- e. Atoms with 10 protons _____
- f. Atoms with 3 protons _____
- g. Atoms with an atomic number of 17 _____
- h. Atoms with an atomic number of 19 _____
- i. Atoms with an atomic number of 8 _____
- j. Atoms with an atomic number of 11 _____

Atoms, Elements & Compounds

2. Determine the number of Neutrons

For each of the following, work out the number of protons and neutrons.



Atoms, Elements & Compounds

3. Atoms & Elements

For each of the following please write the symbol, atomic number and mass corresponding to each. Use a periodic table to help.

e.g. 8 protons & 8 neutrons

answer: ${}^8\text{O}_{16}$

a. 2 protons & 2 neutrons _____

b. 3 protons & 4 neutrons _____

c. 17 protons & 18 neutrons _____

d. 12 protons & 12 neutrons _____

e. 6 protons & 6 neutrons _____

f. 20 protons & 20 neutrons _____

g. 13 protons & 14 neutrons _____

h. 7 protons & 7 neutrons _____

i. 10 protons & 8 neutrons _____

j. 1 protons & 0 neutrons _____

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4. Elements

Complete the table below. Use a periodic table to help

Name	Symbol	No. of Protons
Hydrogen		
Sodium		
	Ca	
	S	
	He	
		3
		4
		6
Iron		
Chlorine		
	Mg	
		10
Zinc		
	Au	
Potassium		
		8
		9
		7