

Periodic Table Practice

Part 1: Scavenger Hunt: Use your periodic table to answer the following questions.

1. The element located in Period 4, Family 8 is _____.
2. The element located in Period 2, Group 15 is _____.
3. The element located in Period 7, Family 2 is _____.
4. The element located in Period 6, Family 1 is _____.
5. The element located in Period 1, Group 1 is _____.
6. The element located in Period 5, Family 11 is _____.
7. The element located in Period 3, Group 18 is _____.
8. The element located in Period 2, Family 18 is _____.
9. The element located in Period 5, Group 4 is _____.
10. All the elements in Group 1 belong to the _____ family.
11. All the elements in Group 2 belong to the _____ family.
12. All of the elements in Group 17 belong to the _____ family.
13. All the elements in Group 18 belong to the _____ family.
14. The elements located between Groups 3 and 12 are called the _____.
15. Elements that have properties of both metals and nonmetals are called _____.

Part 2: Atomic Math Challenge: Use the periodic table to fill in the blanks below.

Example:

8 O Oxygen 15.999	←	_____
8 O Oxygen 15.999	←	_____
8 O Oxygen 15.999	←	_____
8 O Oxygen 15.999	←	_____

Atomic number equals the number of _____

Atomic mass number equals the number of _____ + _____

8 O
15.999

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

30 Zinc 65.39

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

3 Li 6.941

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

14 Silicon 28.086

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

5 B 10.81

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

35 Bromine 79.904

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

16 S 32.06

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

53 Iodine 126.905

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

25 Mn
54.938

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

12 Mg
24.305

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

18 Argon
39.948

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

79 Gold
196.967

Atomic # = _____

Atomic Mass = _____

of Protons = _____

of Neutrons = _____

of Electrons = _____

Part 3: Element Names and Symbols

Directions: Give the **name**, **# of protons**, and **group #** for each of the element symbols below.

Symbol	Element Name	# Protons	Group #
Ni			
C			
S			
Ca			
N			
Pb			
P			
B			
Cl			
Au			
Si			
He			
Na			
K			
Mg			

Directions: Give the **symbol**, **atomic mass**, and **period number** for each of the named elements below.

Element	Symbol	Atomic Mass	Period #
Lithium			
Silver			
Iron			
Boron			
Neon			
Sodium			
Carbon			
Oxygen			
Hydrogen			
Chlorine			
Cesium			
Magnesium			