

Name: _____

Section: _____

Decoding the Periodic Table of Elements

Directions: Fill in any missing information for each Periodic Table of Elements "box" and complete the table for each. Be sure to refer to your Periodic Table of Elements and the key below.

8	→	<u>Atomic Number</u> <i>(Number of protons)</i>
O	→	<u>Element Symbol</u> <i>(Written with a capital letter followed by a lower case)</i>
Oxygen	→	<u>Element Name</u>
15.999	→	<u>Atomic Mass</u> <i>(Rounded to a whole number, equals the number of protons and neutrons)</i>

79
Au
Gold
196.967

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

6
C
Carbon
12.011

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

11
Sodium
22.989

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

35
Bromine
79.904

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

82
Pb
207.2

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

14
Si
28.086

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

37

85.468

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

54

131.29

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

Fe

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

Zr

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

47

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	

5

Atomic #	
Atomic Mass	
Element Symbol	
# of Protons	
# of Neutrons	
# of Electrons	