## **Atoms and Molecules Worksheet**

Using the Periodic Table located inside your text book, answer the following questions.

Analyzing Data: The information below is from part of the Periodic Table of Elements. Use this information to answer the questions that follow.

IA 1 H	]						VIII 2 He
1	II.A.	IIIB	IVB	VB	VIB	VIIIB	4
3	4	5	6	7	8	9	10
Li 7	Be	В	С	M	0	F	Ne
7	9	11	1.2	1.4	16	19	20
11	12	1.3	14	1.5	16	17	18
Na	Mg	AI	Si	P	S	CI	Ar
23	24	27	28	31	32	35	40

Carbon (C)

1) How many protons, neutrons, and electrons are in each of the following atoms?

Lithium (Li) p = \_\_\_\_\_ n = \_\_\_\_

Magnesium (Mg) p = \_\_\_\_

P-\_\_\_\_

Oxygen (O) p = \_\_\_\_\_ n =

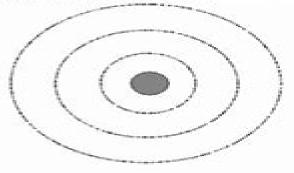
Chlorine (CI)

p = \_\_\_\_\_

n =

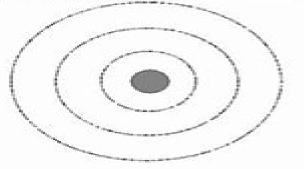
2) Fill in the number of electrons in the correct energy levels below.

Number of Fluorine (F) electrons:



Is Fluorine Stable? \_\_\_\_\_
Explain your answer: \_\_\_\_\_

Number of Neon (Ne) electrons:



Is Neon Stable? \_\_\_\_\_
Explain your answer: \_\_\_\_\_

# **Worksheet 1 Rearranging Atoms**

**Dieter Mergel** 

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