Use with Chapter 3
Section 3.1

Atomic Structure of 14 Elements

Atomic Structure of 14 Elements

Element Name	Symbol	Atomic Number	Mass Number
Hydrogen	H	1	1
Helium	He	2	4
Oxygen	O	8	16
Carbon	C	6	12
Neon	Ne	10	20
Nitrogen	N	7	14
Magnesium	Mg	12	24
Silicon	Si	14	28
Iron	Fe	26	56
Sulfur	S	16	32
Sodium	Na	11	23
Chlorine	Cl	17	35
Potassium	K	19	39
Argon	Ar	18	40

Name\ _____ Class _____ Date _____

WORKSHEET 7 TEACHING TRANSPARENCY

Use with Chapter 3
Section 3.1

Atomic Structure of 14 Elements

1. How can you determine the number of protons in the nucleus of an atom of any of the elements listed in the table?

2. Which element has 14 protons in the nuclei of its atoms?

3. Explain how you can determine the number of electrons surrounding the nucleus of an atom of any of the elements listed in the table.

4. Which element has 19 electrons surrounding the nuclei of its atoms?

5. Explain how you can determine the number of neutrons in the nucleus of an atom of any of the elements listed in the table.

6. Which element does not have a neutron in the nuclei of its atoms?

7. How many neutrons are present in the nucleus of an iron atom?

8. How many protons, neutrons, and electrons are present in and surrounding the nucleus of a chlorine atom?