

Reviewing Matter

Name: _____ Period: _____

1. What particles are found in the nucleus of the atom?

protons, neutrons, and electrons

2. Complete the following table.

Element Name	Element Symbol	Number of Protons	Number of Neutrons	Number of Electrons
Boron	<i>B</i>	<i>5</i>	<i>6</i>	<i>5</i>
<i>Calcium</i>	<i>Ca</i>	20	<i>20</i>	<i>20</i>
<i>Lithium</i>	Li	<i>3</i>	<i>4</i>	<i>3</i>
Lead	<i>Pb</i>	<i>82</i>	<i>125</i>	<i>82</i>
<i>Magnesium</i>	Mg	<i>12</i>	<i>12</i>	<i>12</i>
<i>Phosphorus</i>	<i>P</i>	15	<i>16</i>	<i>15</i>

3. Complete the following table.

Element Name	Element Symbol	Number of Protons	Number of Valence Electrons
Fluorine	<i>F</i>	<i>9</i>	<i>7</i>
<i>Potassium</i>	K	<i>19</i>	<i>1</i>
<i>Neon</i>	<i>Ne</i>	10	<i>8</i>
<i>Sulfur</i>	S	<i>16</i>	<i>2</i>
Oxygen	<i>O</i>	13	<i>2</i>

4. Indicate if the following elements are metals or nonmetals.

Element Name	Metal or Nonmetal
Oxygen	<i>Nonmetal</i>
Magnesium	<i>Metal</i>
Silver	<i>Metal</i>
Iodine	<i>Nonmetal</i>
Potassium	<i>Metal</i>
Neon	<i>Nonmetal</i>