

# Worksheet | The Lower Secondary

## Stage (6-8)

1<sup>st</sup> Semester | 2023-2024

**Subject:** Chemistry

**Chapter7: Inside atoms**

**Objectives:**

- To be able to describe an element by its atomic structure

**(Activity 1)** Fill in the table below using the periodic table.

Element	Symbol	Atomic number	Mass number (nucleon number)	Number of electrons	Number of protons	Number of neutrons
		<b>5</b>				
<b>Neon</b>			<b>20</b>			
					<b>13</b>	<b>14</b>
<b>Magnesium</b>			<b>24</b>			
	<b>Kr</b>					
<b>Fluorine</b>			<b>19</b>			
	<b>H</b>					
<b>Phosphorus</b>						

Element	Symbol	Atomic number	Mass number	Number of electrons	Number of protons	Number of neutrons
<b>Boron</b>	<b>B</b>	<b>5</b>	<b>11</b>	<b>5</b>	<b>5</b>	<b>6</b>
<b>Neon</b>	<b>Ne</b>	<b>10</b>	<b>20</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Aluminum</b>	<b>Al</b>	<b>13</b>	<b>27</b>	<b>13</b>	<b>13</b>	<b>14</b>
<b>Magnesium</b>	<b>Mg</b>	<b>12</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>12</b>
<b>Krypton</b>	<b>Kr</b>	<b>36</b>	<b>84</b>	<b>36</b>	<b>36</b>	<b>48</b>
<b>Fluorine</b>	<b>F</b>	<b>9</b>	<b>19</b>	<b>9</b>	<b>9</b>	<b>10</b>
<b>Hydrogen</b>	<b>H</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>
<b>Phosphorus</b>	<b>P</b>	<b>15</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>31</b>

Note: mass number is 31  
number of neutrons 16

