

**Lesson 9 Name** \_\_\_\_\_

## **Physical Science References-6<sup>th</sup> Grade Science**

**Directions: Decipher the Code message listed below to uncover the sentences.  
Place the answers directly below the Code.**

|           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>A</b>  | <b>B</b>  | <b>C</b>  | <b>D</b>  | <b>E</b>  | <b>F</b>  | <b>G</b>  | <b>H</b>  | <b>I</b>  | <b>J</b>  | <b>K</b>  | <b>L</b>  | <b>M</b>  |
| <b>1</b>  | <b>2</b>  | <b>3</b>  | <b>4</b>  | <b>5</b>  | <b>6</b>  | <b>7</b>  | <b>8</b>  | <b>9</b>  | <b>10</b> | <b>11</b> | <b>12</b> | <b>13</b> |
| <b>N</b>  | <b>O</b>  | <b>P</b>  | <b>Q</b>  | <b>R</b>  | <b>S</b>  | <b>T</b>  | <b>U</b>  | <b>V</b>  | <b>W</b>  | <b>X</b>  | <b>Y</b>  | <b>Z</b>  |
| <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> |

**1) Anything that takes up space and has mass. 13+1+20+20+5+18**

What am I? \_\_\_\_\_

**2) Negative electric charge. 5+12+5+3+20+18+15+14**

What am I? \_\_\_\_\_

**3) Positive electric charge. 16+18+15+20+15+14**

What am I? \_\_\_\_\_

**4) No electric charge. 14+5+21+20+18+15+14**

What am I? \_\_\_\_\_

**5) Small, dense center of an atom. 14+21+3+12+5+21+19**

What am I? \_\_\_\_\_

**6) Electrons move within an area around the nucleus. 5+12+5+3+20+18+15+14  
3+12+15+21+4**

What am I? \_\_\_\_\_

**7) Number of protons in a nucleus. 1+20+15+13+9+3    14+21+13+2+5+18**

What am I? \_\_\_\_\_

**8) Atoms of the same element that have different numbers of neutrons.**

**9+19+15+20+15+16+5**

What am I? \_\_\_\_\_

**9) Each horizontal row of the periodic table of elements.  $16+5+18+9+15+4$**

What am I? \_\_\_\_\_

**10) Each vertical row of the periodic table of elements.  $7+18+15+21+16$**

What am I? \_\_\_\_\_