

Name: _____ Date: _____

CHEMISTRY

Periodic Table of the Elements

Use the Periodic Table of the Elements to answer the questions.

Atomic number — 5 10.811 — Atomic mass B — Symbol Boron — Name																		Alkali metal Alkaline earth metal Metal Transition metal Lanthanide Metalloid Non-metal Halogen Noble gas Actinide																		<table><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>B</td><td>C</td><td>N</td><td>O</td><td>F</td><td>Ne</td></tr><tr><td>Boron</td><td>Carbon</td><td>Nitrogen</td><td>Oxygen</td><td>Fluorine</td><td>Neon</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>Al</td><td>Si</td><td>P</td><td>S</td><td>Cl</td><td>Ar</td></tr><tr><td>Aluminium</td><td>Silicon</td><td>Phosphorus</td><td>Sulfur</td><td>Chlorine</td><td>Argon</td></tr></table>																		5	6	7	8	9	10	B	C	N	O	F	Ne	Boron	Carbon	Nitrogen	Oxygen	Fluorine	Neon	13	14	15	16	17	18	Al	Si	P	S	Cl	Ar	Aluminium	Silicon	Phosphorus	Sulfur	Chlorine	Argon																																																						
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Part 1: Atomic Number. On the line next to the element, write the atomic number of the element. Your answer should be 1, 2, or 3 digits. No letters.

- | | | | | | |
|----|--|-----------|-----|--|--------------|
| 1. | | Hydrogen | 7. | | Cerium |
| 2. | | Oxygen | 8. | | Iridium |
| 3. | | Magnesium | 9. | | Bismuth |
| 4. | | Vanadium | 10. | | Uranium |
| 5. | | Krypton | 11. | | Fermium |
| 6. | | Ruthenium | 12. | | Darmstadtium |

Part 2: Which element. On the line next to the element, write the chemical symbol of the element. Your answer should be 1 or 2 letters. If one letter, the letter must be capitalized. If two letters, the first letter must be capitalized and the second lower case.

- | | | | | | |
|-----|----------------------|------------|-----|----------------------|------------|
| 13. | <input type="text"/> | Helium | 19. | <input type="text"/> | Molybdenum |
| 14. | <input type="text"/> | Nitrogen | 20. | <input type="text"/> | Silver |
| 15. | <input type="text"/> | Sodium | 21. | <input type="text"/> | Europium |
| 16. | <input type="text"/> | Phosphorus | 22. | <input type="text"/> | Tungsten |
| 17. | <input type="text"/> | Copper | 23. | <input type="text"/> | Lead |
| 18. | <input type="text"/> | Strontium | 24. | <input type="text"/> | Berkelium |

Part 3: Which Type of Element. On the line next to the element, type the letter of the “class of element”. The choices are below. Only type the letter. Letters may be used multiple times. Examples of elements (chemical symbol) that fall into that class of element have been provided to assist you.

- | | |
|--------------------------------|------------------------------|
| A Alkali metal (Li) | F Actinide series metal (Pu) |
| B Alkali earth metal (Ca) | G Metalloid element (Si) |
| C Transition metal (Fe) | H Nonmetal element (O) |
| D Post-transition metal (Al) | I Halogen element (Cl) |
| E Lanthanide series metal (Ce) | J Noble Gas element (Kr) |

- | | | | | | |
|-----|----------------------|------------|-----|----------------------|------------|
| 25. | <input type="text"/> | Magnesium | 31. | <input type="text"/> | Osmium |
| 26. | <input type="text"/> | Phosphorus | 32. | <input type="text"/> | Dysprosium |
| 27. | <input type="text"/> | Titanium | 33. | <input type="text"/> | Cesium |
| 28. | <input type="text"/> | Arsenic | 34. | <input type="text"/> | Lead |
| 29. | <input type="text"/> | Radon | 35. | <input type="text"/> | Platinum |
| 30. | <input type="text"/> | Uranium | 36. | <input type="text"/> | Fluorine |