



# ATOMS AND ELEMENTS WORKSHEET



Identify the elements based on the information provided.

1) Member of the halogen family, atomic mass 35

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2) 48 neutrons, gas in its natural state

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3) Atomic mass 16, gas in its natural state

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4) Transition element, 25 electrons

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5) Transition element, 26 electrons

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6) Transition element, 29 electrons

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7) Metal, 11 electrons, 12 neutrons

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8) Transition element, 51 neutrons

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9) Metal, 20 electrons

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10) Non-metal, atomic mass 11

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11) Gas in its natural state, atomic mass 20

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12) Transition element, 80 electrons

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13) Metal, Group 1 element, lowest mass in its period

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14) Gas in its natural state, 86 protons

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15) Metal, 4 neutrons

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16) Metal, 27 electrons

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17) Metal, 56 protons

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18) Noble gas, mass less than 30

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19) Metal, 38 electrons

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20) Non-metal, atomic mass 32

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## Answers

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|---|------------------|
| 1) Member of the halogen family, atomic mass 35       | <u>Chlorine</u>  |
| 2) 48 neutrons, gas in its natural state              | <u>Krypton</u>   |
| 3) Atomic mass 16, gas in its natural state           | <u>Oxygen</u>    |
| 4) Transition element, 25 electrons                   | <u>Manganese</u> |
| 5) Transition element, 26 electrons                   | <u>Iron</u>      |
| 6) Transition element, 29 electrons                   | <u>Copper</u>    |
| 7) Metal, 11 electrons, 12 neutrons                   | <u>Sodium</u>    |
| 8) Transition element, 51 neutrons                    | <u>Zirconium</u> |
| 9) Metal, 20 electrons                                | <u>Calcium</u>   |
| 10) Non-metal, atomic mass 11                         | <u>Boron</u>     |
| 11) Gas in its natural state, atomic mass 20          | <u>Neon</u>      |
| 12) Transition element, 80 electrons                  | <u>Mercury</u>   |
| 13) Metal, Group 1 element, lowest mass in its period | <u>Potassium</u> |
| 14) Gas in its natural state, 86 protons              | <u>Radon</u>     |
| 15) Metal, 4 neutrons                                 | <u>Lithium</u>   |
| 16) Metal, 27 electrons                               | <u>Cobalt</u>    |
| 17) Metal, 56 protons                                 | <u>Barium</u>    |
| 18) Noble gas, mass less than 30                      | <u>Helium</u>    |
| 19) Metal, 38 electrons                               | <u>Strontium</u> |
| 20) Non-metal, atomic mass 32                         | <u>Sulfur</u>    |