ATOMS VS IONS

Complete the following Table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Symbol | # Protons | # Electrons | Atom/Ion | Neutral/Charged | If Ion:  Cation/Anion | Charge (oxidation number) |
| Na |  |  |  |  |  |  |
| Na+1 |  |  |  |  |  |  |
| Ca+2 |  |  |  |  |  |  |
|  | 17 | 18 |  |  |  |  |
| B |  |  |  |  |  |  |
| Al |  |  |  |  |  |  |
| Al+3 |  |  |  |  |  |  |
| Cl |  |  |  |  |  |  |
| O-2 |  |  |  |  |  |  |
|  | 12 | 10 |  |  |  |  |

Valence Chart

Complete the Chart

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Family Name** | **Family Number 1-18** | **Family Number**  **1A-8A or 1B-8B** | **Can form:**  **Cation/**  **Anion** | **Charge for Ion**  **(Oxidation Number)** |
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