

Use your Periodic Table. For each ion, indicate the number of Protons & Electrons. Also, indicate if the ion is Cation or Anion.

\*\*\*The first one has been done for you. REMEMBER- ONLY electrons are moving.

| Ion              | Protons | Electrons | Cation OR Anion |
|------------------|---------|-----------|-----------------|
| Cl <sup>1-</sup> | 17      | 18        | Anion           |
| K <sup>1+</sup>  |         |           |                 |
| S <sup>2-</sup>  |         |           |                 |
| Sr <sup>2+</sup> |         |           |                 |
| Al <sup>3+</sup> |         |           |                 |
| P <sup>3-</sup>  |         |           |                 |
| Si <sup>4-</sup> |         |           |                 |

For each set of Protons and Electrons, indicate the Ion Charge.

The first one has been done for you. (Typically the charge would be smaller, but for this worksheet, just type in regular numbers.

| Protons | Electrons | Ion              |
|---------|-----------|------------------|
| 56      | 54        | Ba <sup>2+</sup> |
| 87      | 86        |                  |
| 84      | 86        |                  |
| 50      | 46        |                  |
| 32      | 36        |                  |
| 55      | 54        |                  |
| 12      | 10        |                  |