

Name: \_\_\_\_\_

Block: \_\_\_\_\_

## Balancing Charges

In the chart below:

1. Add the appropriate charges to the cation and anion if the charges are not already labeled.
2. write the formula of the resulting compound by balancing the charges.

|     | <b>Cation</b>    | <b>Anion</b>       | <b>Formula</b>               |
|-----|------------------|--------------------|------------------------------|
|     | $\text{NH}_4^+$  | $\text{PO}_4^{3-}$ | $(\text{NH}_4)_3\text{PO}_4$ |
| 1.  | Sr               | S                  |                              |
| 2.  | Na               | Cl                 |                              |
| 3.  | Ca               | Br                 |                              |
| 4.  | K                | O                  |                              |
| 5.  | $\text{Cu}^+$    | Cl                 |                              |
| 6.  | $\text{Cu}^{2+}$ | Cl                 |                              |
| 7.  | Mg               | $\text{NO}_3$      |                              |
| 8.  | $\text{NH}_4$    | OH                 |                              |
| 9.  | Ba               | $\text{PO}_4$      |                              |
| 10. | $\text{Cr}^{6+}$ | $\text{SO}_4$      |                              |