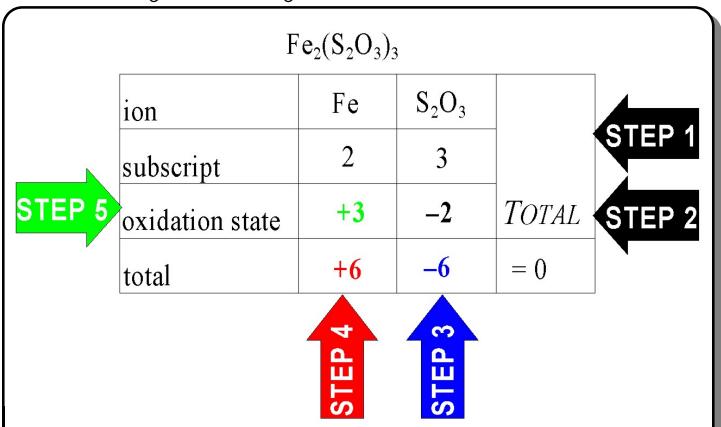
Name

BONDING

Period

Determining the Charge on a Metal Íon



Prepare a table as above.

- **Step 1:** List the subscripts for the metal and the nonmetal ions.
- **Step 2:** Look up the oxidation state of the nonmetal ion on the *Periodic Table*.
- **Step 3:** Multiply the oxidation state of the nonmetal by its subscript to get the total charge.
- **Step 4:** Determine the total charge of the metal ions by calculating the number which, when added to the total charge of the nonmetal ion, gives the compound a total charge of zero.
- **Step 5:** Divide the total charge of the metal ions by the subscript of the metal to get the oxidation state.