Do an “ion exchange” to find the products of each chemical equation and balance the equation.

IV

**1.) Al(NO3)3 + Cl2🡪**

**2.) GaCl3 + S 🡪**

**3.) NaF + Mg🡪**

**4.) K + Ca3N2🡪**

**5.) In(NO3)3 + N2🡪**

**6.) Mg + I2**

1. **CaCl2 + N2 🡪**

**8.) FOH + Li2SO4🡪**