**Homework:** Balancing Chemical Equations

**Directions:** Balance the following chemical equations by adding the correct coefficient in front of the chemical formula. If your chemical formula does not need a coefficient, write 1 or leave it blank. SHOW ALL YOUR WORK.

1. \_\_\_\_\_ HgO 🡪 \_\_\_\_\_ Hg + \_\_\_\_\_ O2

2. \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O 🡪 \_\_\_\_\_ C6H12O6 + \_\_\_\_\_ O2

3. \_\_\_\_\_ Zn + \_\_\_\_\_ HCl 🡪 \_\_\_\_\_ ZnCl2 + \_\_\_\_\_ H2

4.\_\_\_\_\_ SiCl4 + \_\_\_\_\_ H2O 🡪 \_\_\_\_\_ H4SiO4 + \_\_\_\_\_ HCl

5. \_\_\_\_\_ Na2CO3 + \_\_\_\_\_ HCl 🡪 \_\_\_\_\_ NaCl + \_\_\_\_\_ H2O + \_\_\_\_\_ CO