

**WRITING & BALANCING CHEMICAL EQUATIONS****Exit Ticket 9**

1. Write a balanced chemical equation for each chemical reaction described below. Include state designations for each substance.

a) Gaseous ammonia ( $\text{NH}_3$ ) reacts with gaseous oxygen to form gaseous nitrogen monoxide and gaseous water.

b) Aqueous hydrochloric acid reacts with solid manganese(IV) oxide to form aqueous manganese(II) chloride, liquid water and chlorine gas.

2. Balance each chemical equation shown below:

