Balance the following chemical equations.

1. \( \_ \_ \text{Fe} + \_ \_ \text{H}_2\text{SO}_4 \rightarrow \_ \_ \text{Fe}_2(\text{SO}_4)_3 + \_ \_ \text{H}_2 \)

2. \( \_ \_ \text{CH}_4 + \_ \_ \text{O}_2 \rightarrow \_ \_ \text{CO}_2 + \_ \_ \text{H}_2\text{O} \)

3. \( \_ \_ \text{SiCl}_4(\ell) + \_ \_ \text{H}_2\text{O}(\ell) \rightarrow \_ \_ \text{SiO}_2(s) + \_ \_ \text{HCl(aq)} \)

4. \( \_ \_ \text{AgI} + \_ \_ \text{Na}_2\text{S} \rightarrow \_ \_ \text{Ag}_2\text{S} + \_ \_ \text{NaI} \)

5. \( \_ \_ \text{NH}_3 + \_ \_ \text{O}_2 \rightarrow \_ \_ \text{NO} + \_ \_ \text{H}_2\text{O} \)

6. \( \_ \_ \text{FeO}_3(s) + \_ \_ \text{CO(g)} \rightarrow \_ \_ \text{Fe(ℓ)} + \_ \_ \text{CO}_2(g) \)

7. \( \_ \_ \text{SiO}_2 + \_ \_ \text{HF} \rightarrow \_ \_ \text{SiF}_4 + \_ \_ \text{H}_2\text{O} \)

8. \( \_ \_ \text{NaBr} + \_ \_ \text{Cl}_2 \rightarrow \_ \_ \text{NaCl} + \_ \_ \text{Br}_2 \)

9. \( \_ \_ (\text{NH}_4)_3\text{PO}_4 + \_ \_ \text{Pb(NO}_3)_4 \rightarrow \_ \_ \text{Pb}_3(\text{PO}_4)_4 + \_ \_ \text{NH}_4\text{NO}_3 \)

10. \( \_ \_ \text{Mg(OH)}_2 + \_ \_ \text{HCl} \rightarrow \_ \_ \text{MgCl}_2 + \_ \_ \text{H}_2\text{O} \)