Predicting Products of Chemical Reactions Worksheet

Predict the products of the reactions below. Then, write the **balanced** equation and classify the reaction. If a precipitate forms, indicate by using (s) by the precipitate. If “no reaction” occurs write N.R. beside the question.

Use your activity series, predicting products helper sheet and the solubility rules.

1. magnesium bromide + chlorine →
2. aluminum + iron (III) oxide →
3. silver nitrate + zinc chloride →
4. cobalt(II) carbonate →
5. zinc + hydrochloric acid →
6. sulfuric acid + sodium hydroxide →
7. aluminum + oxygen →
8. acetic acid + copper →
9. potassium chlorate →
10. calcium oxide + water →
11. nonane (C9H20) + oxygen gas →
12. zinc nitrate + potassium iodide →
13. (NH4)2S + ZnCl2 🡪
14. Pb + ZnCl2 🡪
15. Mg + O2 🡪
16. HgO 🡪
17. C2H6 + O2 🡪
18. H2SO4 + Ba(OH)2 🡪
19. Mg(ClO3)2 🡪
20. Ca + H2O(l) 🡪