

Name _____ Period _____ Due _____

AP Chemistry Homework, Unit 1: Chemical Reactions Part 2

Write the correct formula of each reactant given, then write the correct formula for each product formed, and then balance the equation.

1. Hydrochloric acid and sodium hydroxide:
2. Sulfuric acid and sodium hydroxide:
3. Acetic acid and barium hydroxide:
4. Sodium chloride and silver nitrate:
5. Sodium hydroxide and silver nitrate:
6. Sodium phosphate and silver nitrate:
7. Sulfuric acid and silver nitrate:
8. Sodium chloride and lead(II) nitrate:
9. Sodium hydroxide and lead(II) nitrate:
10. Sodium phosphate and lead(II) nitrate:
11. Sulfuric acid and lead(II) nitrate:
12. Hydrochloric acid and iron(II) oxide:
13. Hydrochloric acid and iron(III) oxide:
14. Potassium phosphate and calcium chloride:
15. Aluminum hydroxide and nitric acid:
16. Aluminum hydroxide and sulfuric acid:
17. Aluminum hydroxide and phosphoric acid:
18. Lithium carbonate and acetic acid:

19. Sodium bicarbonate and sulfuric acid:
20. Magnesium carbonate and phosphoric acid:
21. Ammonium carbonate and hydrochloric acid:
22. Ammonium chloride and sodium hydroxide:
23. Ammonium carbonate and sodium hydroxide:
24. Calcium sulfite and hydrobromic acid:
25. Nitric acid and zinc:
26. Nitric acid and aluminum:
27. Aluminum and iron(III) oxide:
28. Aluminum and iron(II) oxide:
29. Aluminum and silver nitrate:
30. Magnesium and silver nitrate:
31. Iron(III) oxide and carbon:
32. Lead(II) chloride and carbon:
33. Potassium and water:
34. Calcium and water:
35. Potassium iodide and bromine:
36. Sodium bromide and chlorine: