

Chapter 2 \ Chemical Bonds

Wkst 21 C

Name _____

Worksheet: Balancing Chemical Equations

Period _____ Date _____

(Frameworks Code)

12. Aluminum chloride plus calcium hydroxide yields aluminum hydroxide plus calcium chloride
13. Aluminum chloride plus potassium yields aluminum plus potassium chloride
14. Aluminum plus oxygen yields aluminum oxide
15. Ammonium hydroxide plus hydrogen sulfate yields ammonium sulfate plus water
16. Calcium carbonate plus hydrogen chloride yields calcium chloride plus hydrogen carbonate
17. Calcium oxide plus hydrogen nitrate yields calcium nitrate plus water
18. Zinc nitrate plus hydrogen sulfide yields zinc sulfide plus hydrogen nitrate
19. Calcium plus water yields calcium hydroxide plus hydrogen
20. Barium plus oxygen yields barium oxide

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Write balanced chemical equations for the following (remember the diatomic molecules: H_2 , N_2 , O_2 , F_2 , Cl_2 , Br_2 , & I_2):

1. Water yields hydrogen plus oxygen
2. Potassium plus water yields potassium hydroxide plus hydrogen
3. Mercury (II) oxide yields mercury plus oxygen
4. Sodium sulfide plus lead (II) chloride yields sodium chloride plus lead (II) sulfide.
5. Potassium chlorate yields potassium chloride plus oxygen
6. Hydrogen sulfate plus magnesium hydroxide yields magnesium sulfate plus water
7. Silver nitrate plus calcium bromide yields calcium nitrate plus silver bromide
8. Sodium carbonate plus magnesium chloride yields sodium chloride plus magnesium carbonate
9. Hydrogen chloride plus magnesium yields magnesium chloride plus hydrogen
10. Potassium carbonate plus barium chloride yields potassium chloride plus barium carbonate
11. Sodium acetate plus hydrogen sulfate yields sodium sulfate plus hydrogen acetate