

WORKSHEET 11

Chemistry 110

Name _____

(last)

(first)

Due date: _____

For each of the following, complete, write and balance the equation for the reaction, using correct symbols and formulas, and giving correct physical states for all reactants and products.

If no reaction occurs, do not write an equation. Instead, write "no reaction".

1. Calcium and bromine are reacted.

2. Aqueous solutions of potassium sulfate and barium iodide are mixed.

3. Aqueous solutions of lithium phosphate and stannous chloride are mixed.

4. Nickel (III) nitride decomposes.

5. Bismuth (V) hydroxide is added to an aqueous solution of hydrochloric acid.

6. Aluminum is added to an aqueous solution of ferrous nitrate.

7. Gaseous C_4H_8 is burned (reacts with oxygen) in air.

8. Chromium is added to an aqueous solution of manganous nitrate.

9. Zinc is placed in gaseous water

10. Nickel reacts with oxygen

11. Aluminum carbonate decomposes

12. Chlorine is bubbled through an aqueous chromous iodide solution.

13. Magnesium is added to an aqueous solution of hydriodic acid.

14. Liquid benzene, C_6H_6 , is combusted.

15. Liquid water is slowly added to tin.

16. Hydrogen sulfide is bubbled through an aqueous solution of silver acetate.

17. Barium oxide is added to liquid water.

18. Aqueous solutions of potassium hydroxide and acetic acid are mixed.

19. Sodium hydroxide is added to an aqueous solution of sulfurous acid.

20. Aqueous solutions of strontium bromide and silver acetate are mixed.
