

Chemical Reactions and Equations 2

Give complete and balanced molecular and net ionic equations for the following reactions. Note some reactions may not occur, if so indicate reactions than put NR for products.

1. A piece of nickel metal is immersed in a solution of copper(II) sulfate.
2. sodium metal is reacted with water.
3. nitric acid is reacted with a solution of calcium hydroxide.
4. a strip of zinc is added to a solution of hydrobromic acid.
5. copper metal is added to hydrochloric acid.
6. aqueous silver nitrate is mixed with aqueous sodium phosphate.
7. magnesium metal is reacted with steam.
8. sodium bromide solution is reacted with sodium iodide.
9. a solution of potassium nitrate is mixed with a solution of calcium chloride.
10. iron metal is placed in a solution of silver nitrate.
11. ammonia gas is bubbled through a solution of sulfuric acid.
12. a chunk of calcium is placed in water.
13. some silver is added to aqueous potassium sulfate.
14. equal volumes of aqueous sodium hydroxide and hydrochloric are mixed.
15. aqueous barium hydroxide is mixed with aqueous phosphoric acid.