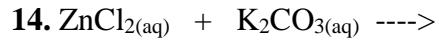
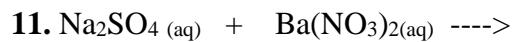


**Honors Chemistry: Chemical Reactions Podcasts 4-5 Problem Set- Predicting Single/ Double Replacement**

Predict the products and balance the following single and double replacement reactions. If no reaction occurs write N.R. You will need to use the “activity metal series” and the “solubility table/solubility rules” that are referenced in the podcasts and available in the “additional resources” section at the bottom of this unit section.



10. Lead(II) chloride + Magnesium



15. Ammonium chloride + Silver nitrate  $\longrightarrow$

16. Barium acetate + Copper(II) chromate

17. Solutions of Silver nitrate and ammonium chloride are mixed

18. Solutions of Lead(II) nitrate and Sodium chloride are mixed

19. Solutions of Zinc sulfate and Magnesium chloride are mixed

20. Solutions of Ammonium phosphate and Zinc chlorate are mixed