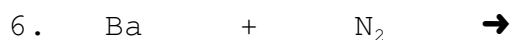


**SCH 4C Balancing Quiz #1**

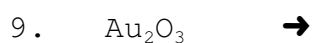
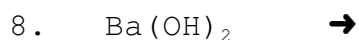
Balance each equation by adding stoichiometric coefficients before each compound or element. Use pencil!



Complete each synthesis reaction:



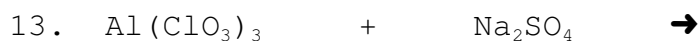
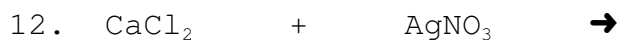
Complete each decomposition reaction:



Complete each single replacement reaction:



Complete each double replacement reaction:



Write balanced chemical equations for each word description:

14. the combustion of the hydrocarbon propane with the chemical formula of  $\text{C}_3\text{H}_8$

15. the double displacement reaction between gold(III) chloride with hydrogen carbonate

16. the decomposition of scandium sulphide

17. the single replacement reaction between antimony(V) chloride and oxygen gas

18. the synthesis of calcium carbonate from calcium oxide plus a common gas