

**SCH 3U Balancing Quiz**

Write balanced chemical equation for each word description.

1. single replacement between aluminum and silver carbonate



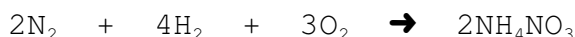
2. double displacement that **results** in calcium phosphate and potassium bromide



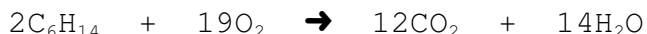
3. decomposition of sodium carbonate produces a gas and an ionic compound



4. synthesis of ammonium nitrate from its elements



5. combustion of hexane ( $\text{C}_6\text{H}_{14}$ )



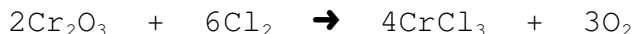
6. double displacement between osmium (VI) carbonate and potassium phosphite



7. combustion of decane ( $\text{C}_{10}\text{H}_{22}$ )



8. single replacement between chromium (III) oxide and chlorine



9. decomposition of gallium hydroxide to form a common molecule and an ionic compound composed of only two elements



10. synthesis of calcium hydroxide from two starting materials



11. Bonus

