

CHEMICAL REACTIONS AND EQUATIONS

All responses to the following must be complete balanced equations.

1. aluminum + sulfur
2. decomposition of potassium chlorate
3. complete combustions of hexanol $C_6H_{13}OH$
4. decomposition of sodium carbonate
5. synthesis of dinitrogen pentoxide
6. complete combustion of pentane C_5H_{12}
7. decomposition of aluminum hydroxide
8. incomplete combustion of butane (C_4H_{10}) products carbon monoxide, carbon dioxide and water
9. reaction of strontium and chlorine
10. decomposition of lithium carbonate
11. synthesis of ammonia
12. decomposition of carbonic acid
13. reaction of sodium chloride and oxygen
14. reaction of sulfur trioxide and water
15. synthesis of calcium hydroxide
16. combustion of magnesium

Remember all the reactions are either composition, decomposition or combustion