Chemistry Unit 3

Homework 5.5

Given the reactants, predict what the products will be. Then write, balance and identify which type of reaction occurred.

1. Cl2 + K 🡪
2. Al + O2 🡪
3. KCl 🡪
4. Ag2O 🡪
5. Na + FeCl2 🡪
6. Mg + Cu(NO3)2 🡪
7. FeCl3 + AgNO3 🡪
8. CaCO3 + HCl 🡪
9. C3H8 + O2 🡪
10. K + S 🡪

Given the reactants, predict what the products will be. Then write, balance and identify which type of reaction occurred.

1. Sodium reacts with fluorine.
2. Potassium chlorate decomposes yielding potassium chloride and oxygen.
3. Zinc is added to tin (II) nitrate.
4. Magnesium carbonate and lead (II) acetate react.
5. Butane (C4H10) is combusted.
6. Calcium reacts with sulfur.
7. Potassium chloride decomposes into its component elements.
8. Copper is added to silver chloride. Assume copper (II) in products
9. Iron (II) chloride is added to silver acetate.
10. Methane (CH4) combusts.