

Directions: a) Write balanced equations for the following word equations.

b) In the blank to the left of the equation, tell if the equation is synthesis (S), decomposition (D), combustion (C), single replacement (SR), or double replacement (DR).

1. _____ potassium chloride + silver nitrate yields potassium nitrate + silver chloride
2. _____ iron metal + copper (II) sulfate yields iron (II) sulfate + copper metal
3. _____ sodium chlorate yields sodium chloride + oxygen gas
4. _____ sodium bicarbonate yields sodium carbonate + carbon dioxide + water
5. _____ beryllium fluoride + magnesium yields magnesium fluoride + beryllium
6. _____ aluminum sulfate + barium chloride yields aluminum chloride + barium sulfate
7. _____ zinc metal + oxygen gas yields zinc oxide
8. _____ ethane + oxygen gas yields carbon dioxide and water