

Reaction Types Practice

1. Identify the type of reaction for each of the following:

a) sodium iodide \rightarrow sodium + iodine

b) bromine + sodium iodide \rightarrow iodine + sodium bromide

c) hydrogen + oxygen \rightarrow water vapour

d) zinc + hydrogen chloride \rightarrow hydrogen + zinc chloride

e) calcium + magnesium chloride \rightarrow magnesium + calcium chloride

f) sodium bromide + calcium iodide \rightarrow sodium iodide + calcium bromide

g) calcium + water \rightarrow hydrogen + calcium hydroxide

h) aluminum + copper(II) chloride \rightarrow copper + aluminum chloride

i) zinc carbonate \rightarrow zinc oxide + carbon dioxide

j) iron + oxygen \rightarrow iron(III) oxide

k) copper + silver nitrate \rightarrow silver + copper(II) nitrate

l) lithium nitrate + sodium hydroxide \rightarrow lithium hydroxide + sodium nitrate

(P, D) 2. Write balanced skeleton equations for each of the equations in question 1. (Gold group do a-f)