


Single Displacement Reactions

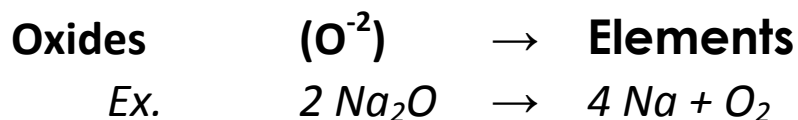
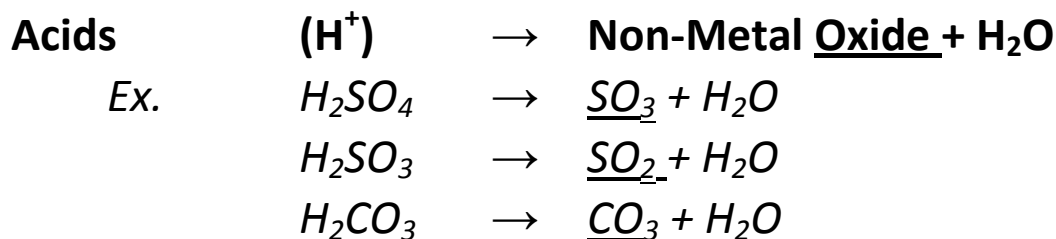
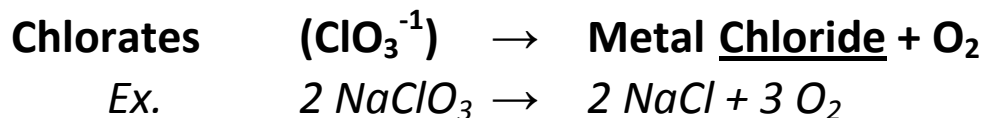
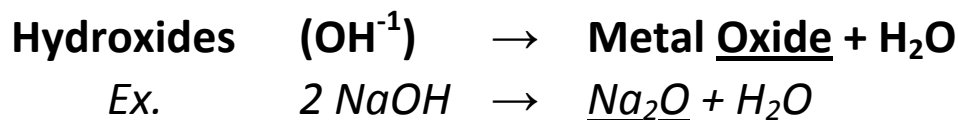
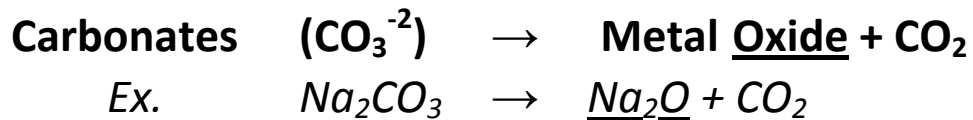
Activity Series of Metals



Element	Reactivity
Li Rb K Ba Ca Na	<i>React with cold H₂O and acids, replacing hydrogen.</i>
Mg Al Mn Zn Cr Fe	<i>React with acids or steam, but not usually liquid water, to replace hydrogen.</i>
Ni Sn Pb	<i>React with acids, but not water, to replace hydrogen.</i>
H ₂ Cu Hg	<i>React with oxygen to form oxides.</i>
Ag Pt Au	<i>Mostly unreactive.</i>

Halogens	Reactivity
F ₂ Cl ₂ Br ₂ I ₂	<i>Listed from most reactive to least reactive.</i>

Types of DECOMPOSITION Reactions



❖ NOTE Energy for decomposition may be supplied by HEAT (Δ), light, mechanical shock, or electricity.