

# Metals and their Compounds

## Lecture 9.3

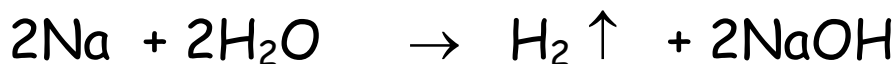
### Corrosion of metals (20.8 BLB)

The activity series is a guide as to how easily metals will corrode.

What atmospheric chemical agents cause corrosion ?

oxygen  $O_2$ , water  $H_2O$ , carbon dioxide  $CO_2$  sulfur dioxide  $SO_2$

For most active metals, either  $O_2$  or  $H_2O$  will cause immediate corrosion



Other metals eg iron need *both* water and oxygen

