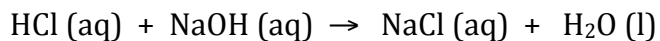
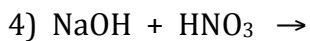
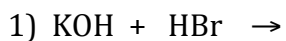


Science and Environment
Neutralization

Neutralization is a chemical process in which an acid and a base react in the right stoichiometric ratio to produce salt and water. For example,



Complete and balance the following neutralization equations:



Problem

A technician spills 200.0 mL of 3mol/L HCl on his workbench. What mass, in grams, of sodium hydroxide, NaOH, should be sprinkled on the acid in order to neutralize the spill? (answer: 24.0 g NaOH)