

Name: _____

Notes: Acid-Base Reactions SNC2D

The reaction between an acid and a base produces _____ and an ionic compound known as a _____, which may be dissolved in the water or form as a precipitate.

Example

hydrochloric acid + sodium hydroxide → _____ + _____
_____ + _____ → _____ + _____

This _____ reaction is also known as a _____ because the products of the reaction are neutral (i.e. have a pH of _____).

Another Example

sulphuric acid + potassium hydroxide → _____ + _____
_____ + _____ → _____ + _____

Some neutralization reactions will also produce carbon dioxide.

Example

hydrochloric acid + sodium bicarbonate →
_____ + _____ + _____
_____ + _____ → _____ + _____ + _____

Neutralization reactions are useful on small scales, e.g. the _____ in a bee sting that attacks nerves in the skin can be neutralized with an _____ and on large scales, e.g. lime may be added to an acidified lake to _____ its pH:

_____ + _____ → _____ + _____