

Neutralization Reaction

Worksheet-Answer Key

Name	Date
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Write chemical equations to produce neutral water and salt.

a) hydrochloric acid plus sodium hydroxide

b) hydrochloric acid plus potassium hydroxide

$$HCI + KOH \rightarrow H_2O + KCI$$

c) hydrofluoric acid plus sodium hydroxide

HF + NaOH
$$\rightarrow$$
 H₂O + NaF

d) hydrofluoric acid plus potassium hydroxide

$$HF + KOH \rightarrow H_2O + KF$$

e) nitric acid plus sodium hydroxide

$$HNO_3 + NaOH \rightarrow H_2O + NaNO_3$$

f) nitric acid plus potassium hydroxide

$$HNO_3 + KOH \rightarrow H_2O + KNO_3$$