Name : _____ Date : ____

Acids, Bases, and Neutralization

Complete and balance the following neutralization reactions.

$$\bigcirc$$
 HCl + NaOH \longrightarrow

②
$$HNO_3 + KOH \longrightarrow$$

$$\bigcirc$$
 HBr + KOH \longrightarrow

$$\stackrel{\text{\scriptsize (4)}}{}$$
 HCl + LiOH \longrightarrow

(5)
$$HF + Ba(OH)_2 \longrightarrow$$

$$7$$
 H_2CO_3 + NaOH \longrightarrow

(1)
$$HNO_3 + Zn(OH)_2 \longrightarrow$$

12)
$$HCl + Al(OH)_3 \longrightarrow$$

Acids, Bases, and Neutralization

Answers

2 HNO₃ + KOH
$$\longrightarrow$$
 KNO₃ + H₂O

(3)
$$HBr + KOH \longrightarrow KBr + H_{2}O$$

(5)
$$2 \text{ HF} + \text{Ba(OH)}_2 \longrightarrow \text{BaF}_2 + 2 \text{ H}_2\text{O}$$

$$7 H_2CO_3 + 2 NaOH \longrightarrow Na_2CO_3 + 2 H_2O$$

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$$H_2CO_3 + Sr(OH)_2 \longrightarrow SrCO_3 + 2 H_2O$$