

KEY – ACIDS, BASES, AND NEUTRALIZATION REACTIONS #1

Note: H₂O is written as HOH for convenience.

- 1) HC₂H₃O₂ + NaOH → HOH + NaC₂H₃O₂ salt = sodium acetate
- 2) 2 HNO₂ + Ca(OH)₂ → 2 HOH + Ca(NO₂)₂ salt = calcium nitrite
- 3) 2 H₃BO₃ + 3 Ba(OH)₂ → 6 HOH + Ba₃(BO₃)₂ salt = barium borate
- 4) 2 HClO₂ + Sr(OH)₂ → 2 HOH + Sr(ClO₂)₂ salt = strontium chlorite
- 5) HCl + NaOH → HOH + NaCl salt = sodium chloride
- 6) 3 HCN + Al(OH)₃ → 3 HOH + Al(CN)₃ salt = aluminum cyanide
- 7) H₂SO₄ + 2 KOH → 2 HOH + K₂SO₄ salt = potassium sulfate
- 8) 2 HBr + Ca(OH)₂ → 2 HOH + CaBr₂ salt = calcium bromide
- 9) HNO₃ + LiOH → HOH + LiNO₃ salt = lithium nitrate
- 10) H₂C₂O₄ + Ba(OH)₂ → 2 HOH + BaC₂O₄ salt = barium oxalate
- 11) HClO₄ + NaOH → HOH + NaClO₄ salt = sodium perchlorate
- 12) H₂SO₃ + 2 KOH → 2 HOH + K₂SO₃ salt = potassium sulfite
- 13) 2 HF + Sr(OH)₂ → 2 HOH + SrF₂ salt = strontium fluoride
- 14) 3 HClO + Al(OH)₃ → 3 HOH + Al(ClO)₃ salt = aluminum hypochlorite
- 15) HMnO₄ + LiOH → HOH + LiMnO₄ salt = lithium permanganate
- 16) 2 HClO₃ + Ba(OH)₂ → 2 HOH + Ba(ClO₃)₂ salt = barium chlorate
- 17) HI + KOH → HOH + KI salt = potassium iodide
- 18) 2 H₃PO₄ + 3 Ca(OH)₂ → 6 HOH + Ca₃(PO₄)₂ salt = calcium phosphate
- 19) 3 H₂S + 2 Al(OH)₃ → 6 HOH + Al₂S₃ salt = aluminum sulfide
- 20) H₃BO₃ + Al(OH)₃ → 3 HOH + AlBO₃ salt = aluminum borate