 

Gas-Forming Reactions:

How to Write Compounds in Solution:

Strong electrolytes are written as separate ions.

Strong Electrolytes: Soluble salts and strong acids and bases.

 Ca(NO3)2(aq) is written as Ca2+(aq) + 2 NO3-(aq)

 HCl is written as H+(aq) + Cl-(aq)

All acids are soluble. Weak acids and nonelectrolytes are written in their non-ionized form:

 CH3CO2H(aq) or CH3OH(aq), water is written as liquid H2O(l)

Insoluble salts are written as the full compound:

 CaCO3(s)