

# Insoluble compounds

---

## Insoluble compounds

1. **Halogens** with Silver, Mercury(I), and Lead.
  2. **Sulfates** with barium, strontium, calcium, lead, silver, and mercury (I).
  3. **Fluorides, carbonates, oxalates, sulfites, chromates, oxides, silicates, and phosphates** are insoluble.
  4. **Hydroxides** are insoluble except Ba, Sr, and Ca
  5. **Sulfides** are insoluble except for calcium, barium, strontium, magnesium.
- 

## Decomposition Rules

Metal oxides and water make bases

Nonmetal oxides and water make acids

Metal oxides and nonmetal oxides make salts

Carbonates decompose into carbon dioxide and oxides

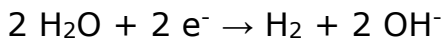
Chlorates decompose into oxygen and chloride

Ammonium with a base decomposes into ammonia and water

Hydrogen peroxide decomposes into water and oxygen

## Electrolysis in water

Transition metals will reduce before hydrogen gas



Chlorine Bromine and Iodine will oxidize before oxygen

