

Reactivity Series of Metals and Halogens

Metal	Reactivity in Single Replacement Rxns	Halogen
Lithium Potassium Barium Calcium Sodium Magnesium Aluminum Manganese Zinc Chromium Iron Cadmium Cobalt Nickel Tin Lead Hydrogen Copper Silver Mercury Platinum Gold	<p>react vigorously in H_2O to produce H_2</p> <p>react with steam to form H_2</p> <p>react with simple acids to form H_2</p> <p>will not dissolve in simple acids</p> <p>Decreases</p> <p>melting and boiling point increases</p> <p>solubility in water increases</p> <p>increasing strength of oxidizing agent</p> <p>Metals that are above metals in compounds will be replaced.</p> <p>Halogens that are above halogens in compounds will be replaced.</p>	Fluorine Chlorine Bromine Iodine Astatine