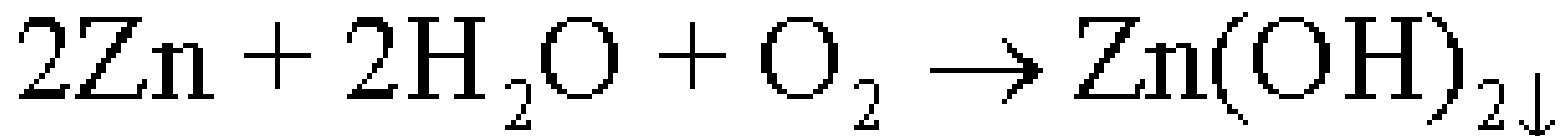
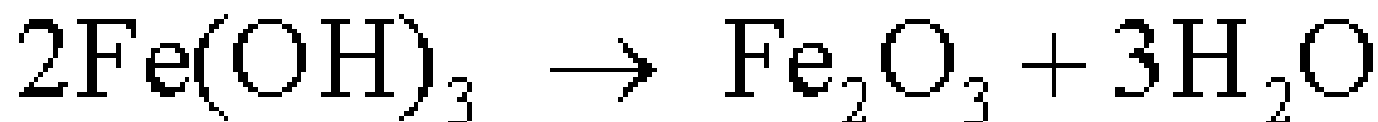


Corrosion & Corrosion Testing

Balance Corrosion Chemical Equations

Corrosion in Neutral or Alkaline Environments



White Rust



Galvanic Corrosion



Galvanic series (most noble at top)

The following is the galvanic series for stagnant (that is, low [oxygen](#) content) [seawater](#). The order may change in different environments.

[Graphite](#) **Most Noble**

[Palladium](#)

[Platinum](#)

[Gold](#)

[Silver](#)

[Titanium](#)

[Stainless steel](#) 316 ([passive](#))

[Stainless Steel](#) 304 ([passive](#))

[Silicon bronze](#)

[Stainless Steel](#) 316 ([active](#))

[Monel](#) 400

[Phosphor bronze](#)

[Admiralty brass](#)

[Cupronickel](#)

[Molybdenum](#)

[Red brass](#)

[Brass plating](#)

[Yellow brass](#)

[Naval brass 464](#)

[Uranium](#) 8% Mo

[Niobium](#) 1% [Zr](#)

[Tungsten](#)

[Stainless Steel](#) 304 ([active](#))

[Tantalum](#)

[Chromium](#) plating

[Nickel](#) ([passive](#))

[Copper](#)

[Nickel](#) ([active](#))

[Cast iron](#)

[Steel](#)

[Lead](#)

[Tin](#)

[Indium](#)

[Aluminum](#)

[Uranium](#) ([pure](#))

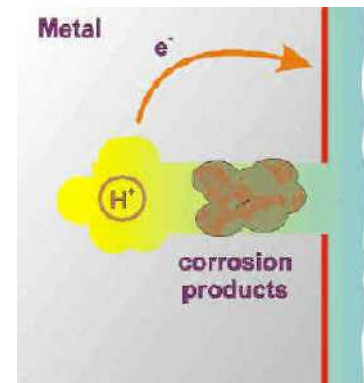
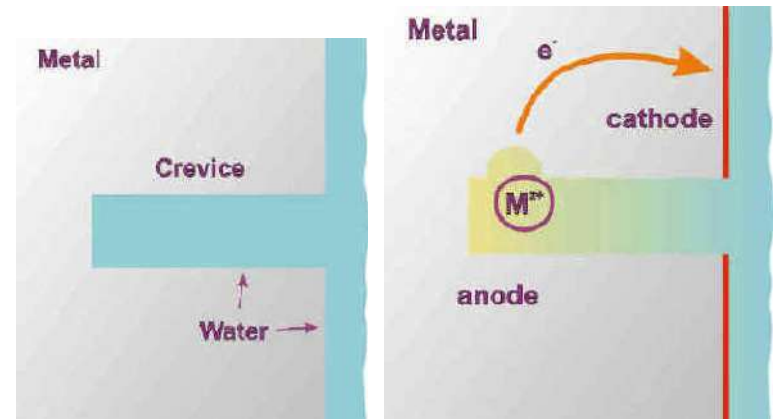
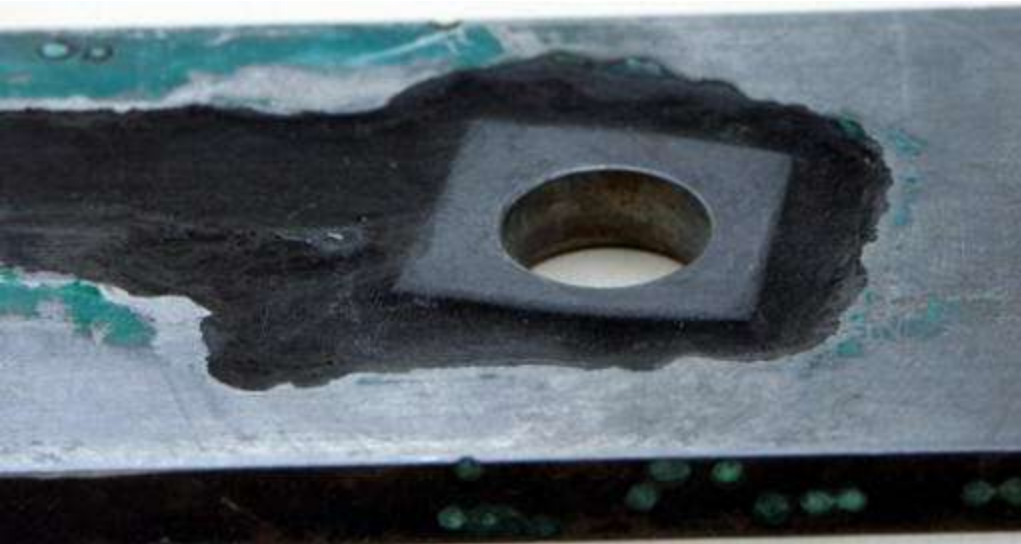
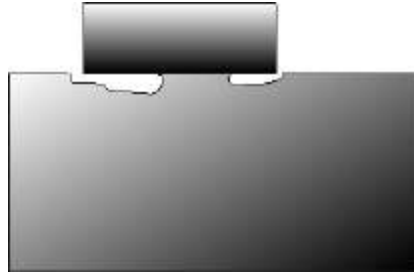
[Cadmium](#)

[Beryllium](#)

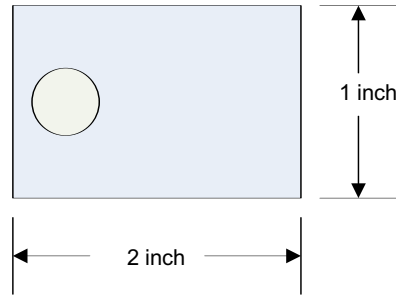
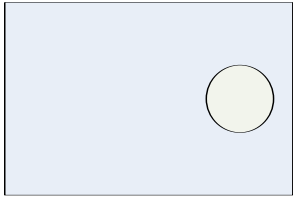
[Zinc](#) plating (see [galvanization](#))

[Magnesium](#) **Least Noble**

Crevice Corrosion



Sample Preparation



Solution Preparation

