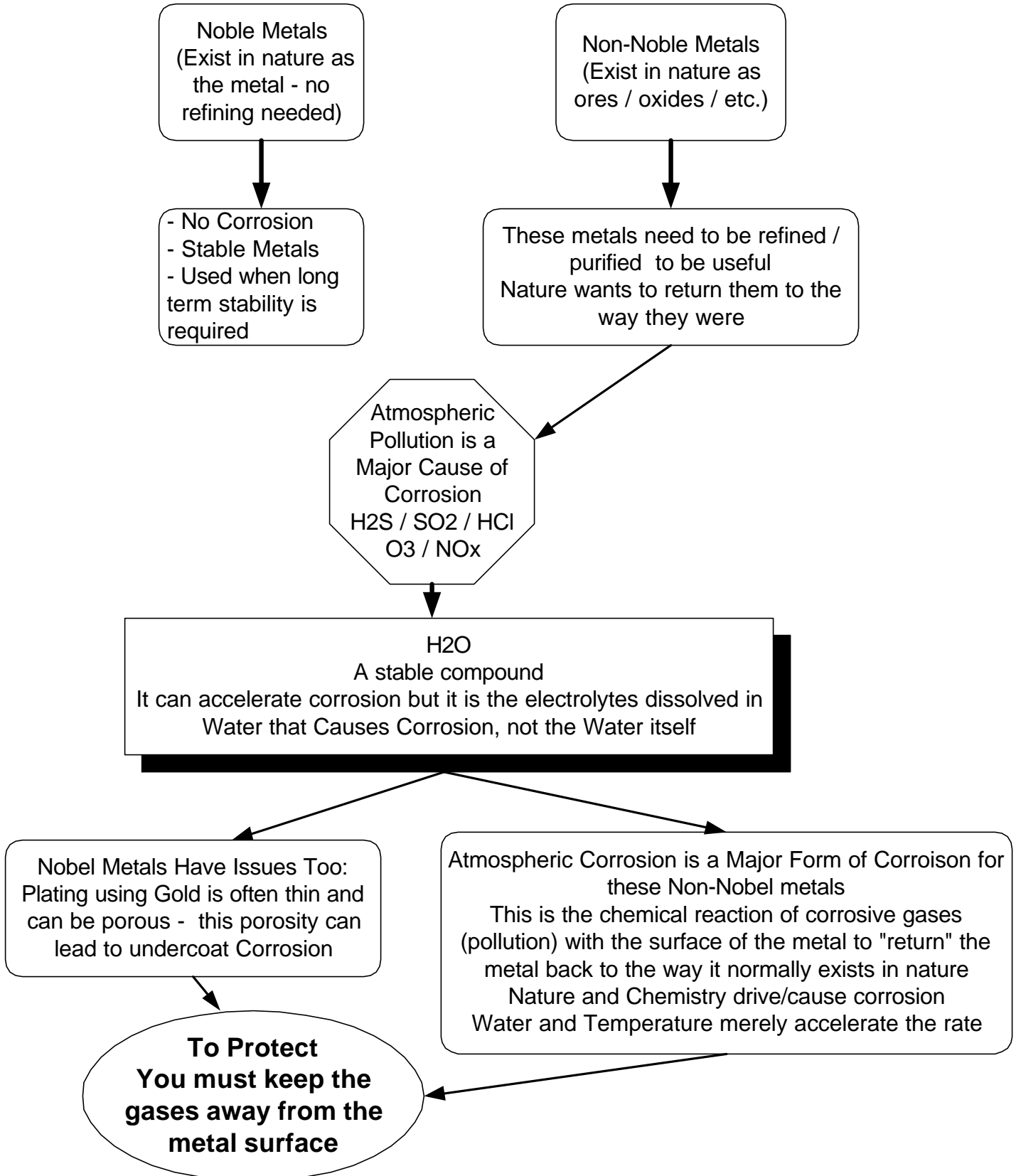


Corrosion -- Some Basics

To Properly Protect Knowledge of the Mechanism is Needed

Metals Can be Classified in Groups



What is Corrosion?

- Corrosion can be a chemical reaction between a metal and a reactive, or unstable gas or liquid
- Corrosion can be an electrical reaction between dissimilar metals
- Corrosion can be an electro-chemical reaction between dust and a metal surface
- Basically, corrosion is something that alters the chemical or physical structure of a metal

How does corrosion occur?

- CD's
 - The metallic layer oxidizes (in the case of Aluminum turning it clear, erasing the reflective frame of reference)
- **Non-Ferrous Metals**
 - Primary mode of corrosion is atmospheric corrosion, or reaction between the metal surface and reactive gases such as Ozone, Sulfur, Chlorine or Nitrous compounds
- **Ferrous Metals**
 - Atmospheric corrosion is one of the common methods of corrosion or rust
 - Galvanic corrosion also occurs

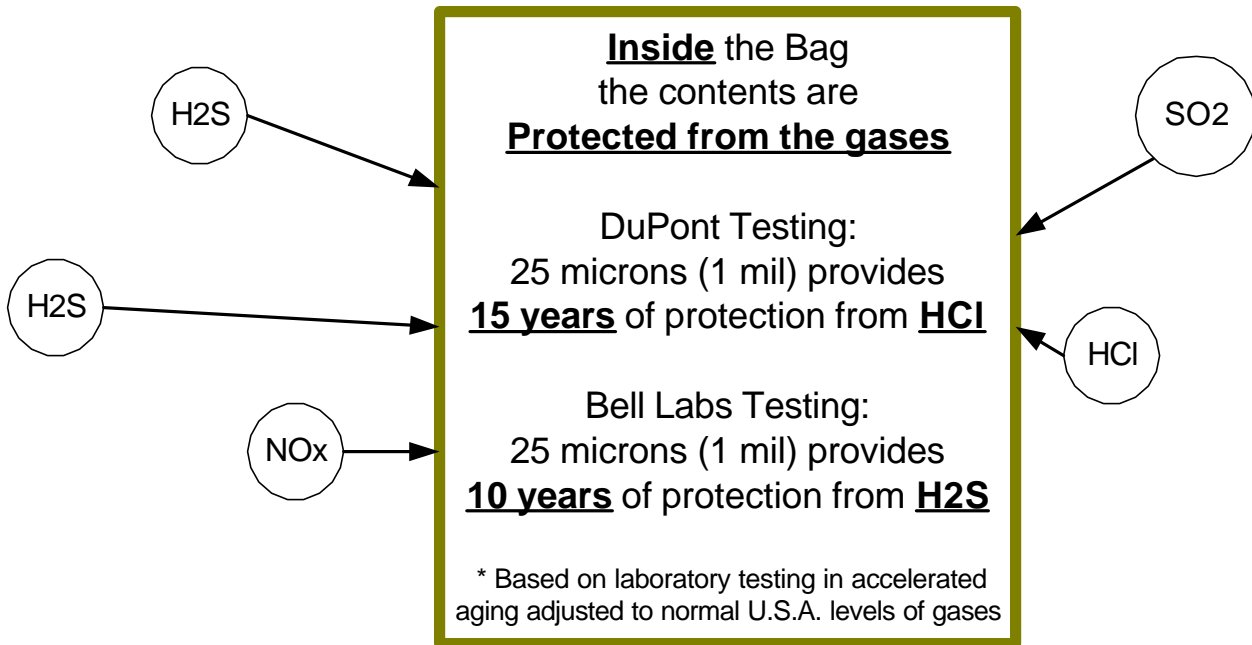
Common Corrosive Gases

- Nitrous Oxides (NO_x)
- Ozone (O₃) - reactive oxygen
- Hydrogen Sulfide (H₂S) and Sulfur Dioxide (SO₂)
 - Affluent from pulp mills, oil refineries, heavy industry, smelting, and decaying vegetation
- Carbonyl Sulfide (COS)
 - Produced from fossil fuel combustion, wood fires and ocean surfaces
- Hydrogen Chloride (HCl)
 - Fossil fuel combustion and ocean surfaces

The Intercept Technology ^(TM)

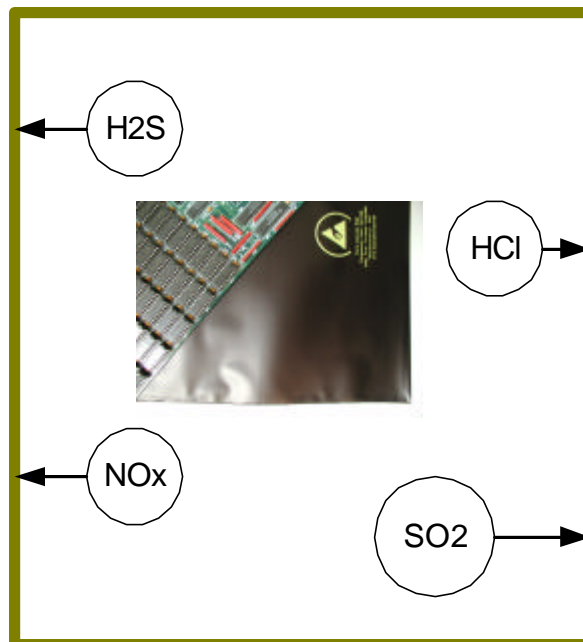
Works by Keeping the Gases Away from the Metal Surface -- **Keeping it Pristine**

Intercept is a Corrosive and Reactive Gas Barrier
Providing Active Protection, not Passive like Foils



Intercept is a Preferential and Sacrificial Corrosion Site
Providing Protection Within the Bag or Enclosure

The **Corrosive Gases Trapped** **Inside** the bag when it is closed or sealed **will be neutralized** by the bag walls -- the inside layer of Intercept



Leaving the product(s) inside the bag safe and now fully protected - the Intercept will then keep the outside gases trapped outside...