

Corrosion

- **Corrosion** is the electrochemical process that causes metal to rust.
- Metals such as aluminum and copper corrode and **generate a protective coating of rust upon contact with oxygen in the air.**
- This thin coating inhibits oxygen from contacting new metal atoms, thus **protecting the residual metal from further erosion.**

Galvanic Corrosion

- **Galvanic corrosion**, also called bimetallic erosion, occurs when two different metals are exposed to the same electrolyte, or electrical current in water.
- The Statue of Liberty is a famous example of galvanic corrosion.
- The iron body of the statue reacts with its copper coating in the humid, marine environment of the harbor in which it sits, allowing corrosion to occur, and creating the statue's enigmatic seafoam color.

