Curiosity: When is corrosion a cell model?

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Corrosion can be studied as a localized redox model. Where one location supplies electrons through oxidation and another consumes them through reduction, the language of anode, cathode, and electron flow helps explain a possible material-change pattern. A battery also organizes redox pathways, but it is designed to provide useful external electrical energy; corrosion is not a battery-performance test.

Data make the comparison more disciplined. If a stated environment and time window are held constant, mass-loss rate can show which card lost more material. That supports a narrow next question, not a blanket claim that one prevention strategy works everywhere or is appropriate for a particular product, medical context, or environment.