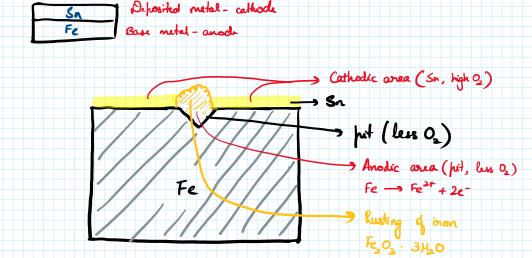


Pitting corresion

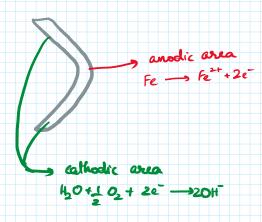
- · localised accelerated corrosion
- · most destructive and dangerous corrosion
- · SMALL anodic area, LARGE cathodic onea





3 Streets corresion

SCC: Stress Cornosion Cracking



- · Street from bunding, hammering, riveling, pressing causes cracks in the cathodic coating, forming an anodic region
- · Stress corrosion depends on

 tensile strength

 specific corrosive environment

Fe + NaOH - coustic embrittlement Cu + NH3

FACTORS AFFECTING RAFE OF CORROSION

- · Nature of metal
- · Nature of corrosive envisionment
- · Hydrogen Overvoltage
- · Jemperature
- pH
- · Polarisation of electrodes

Nature of metal