

# Principais Mecanismos de Degradação das *Estruturas de Aço*

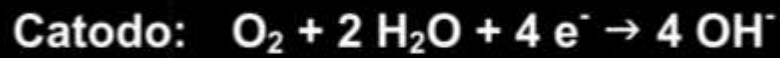
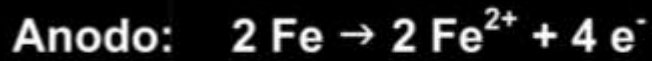
Fabio Domingos Pannoni, Ph.D.  
Consultor Técnico Gerdau



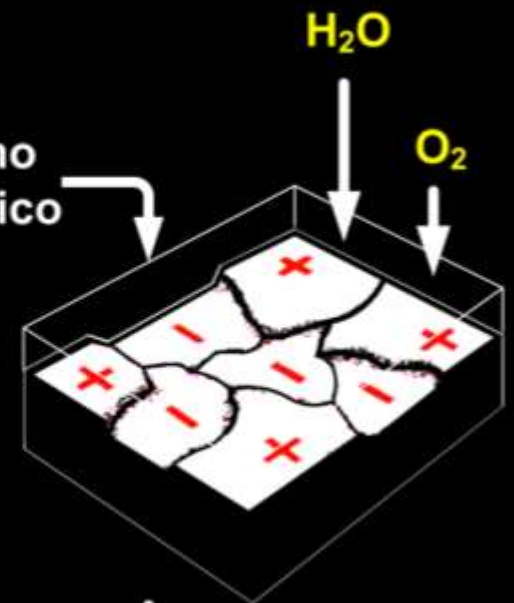
**Corrosão é um processo**



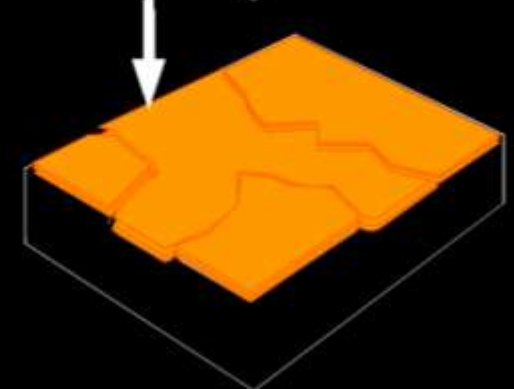
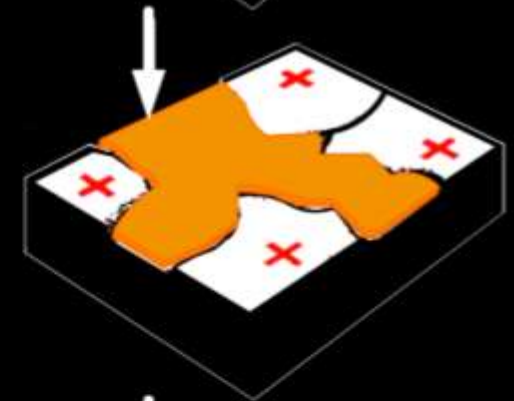
**espontâneo**



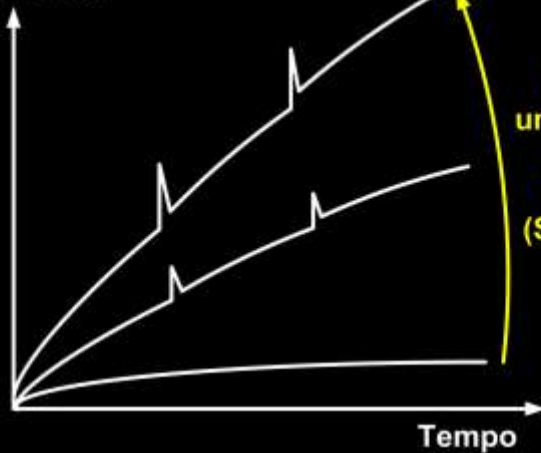
Mecanismo  
eletroquímico



$\text{FeOOH}$



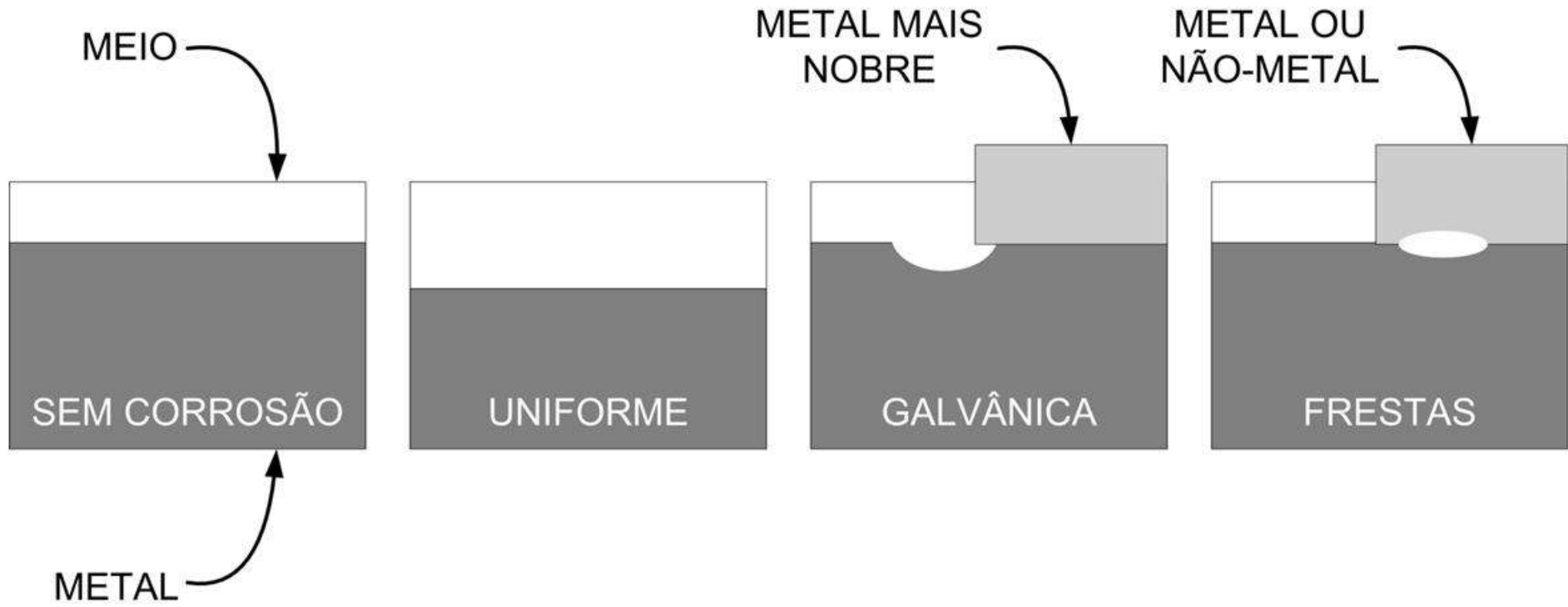
Efeito acumulado  
da corrosão



Tempo de umedecimento

Poluentes  
(SO<sub>2</sub>, Cl<sup>-</sup>, etc.)

Tempo



# NBR 8800:2008

## “Projeto de Estruturas de Aço e Estruturas Mistas de Aço e Concreto de Edifícios”

Classificação do ambiente

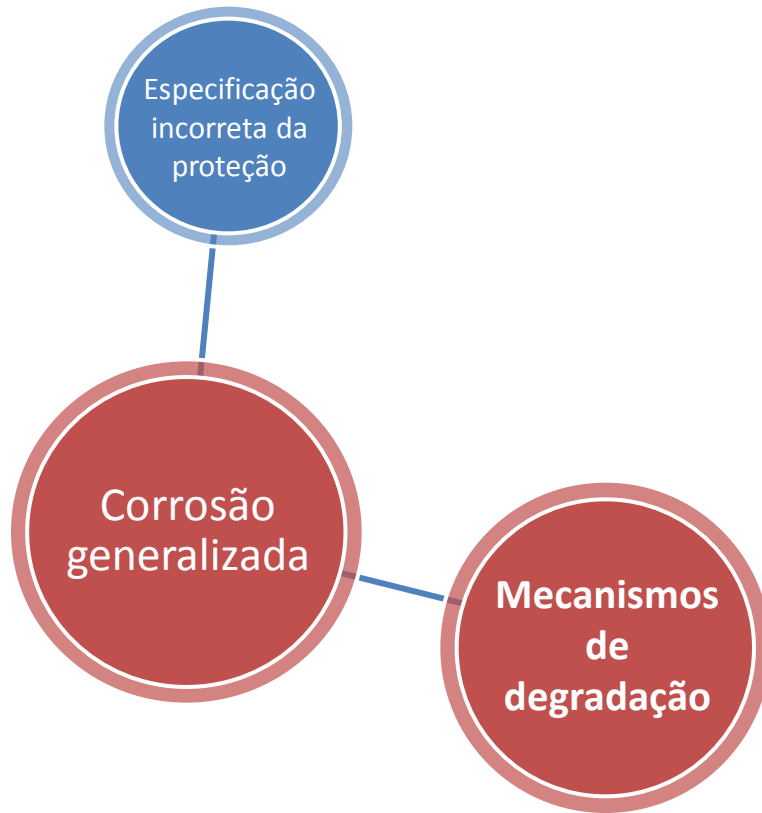
Agressividade

Escolha do sistema de proteção

Norma internacional  
Consagrada

Detalhamento de projeto

Acessibilidade  
Frestas  
Drenagem  
Pares galvânicos



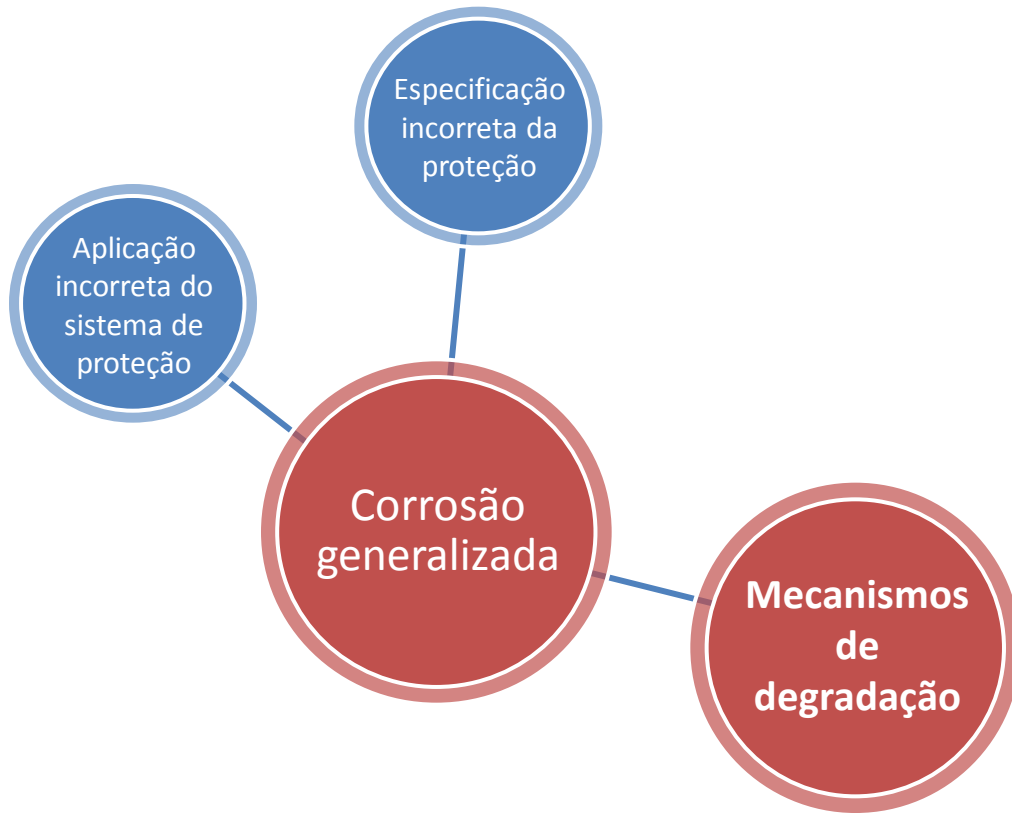




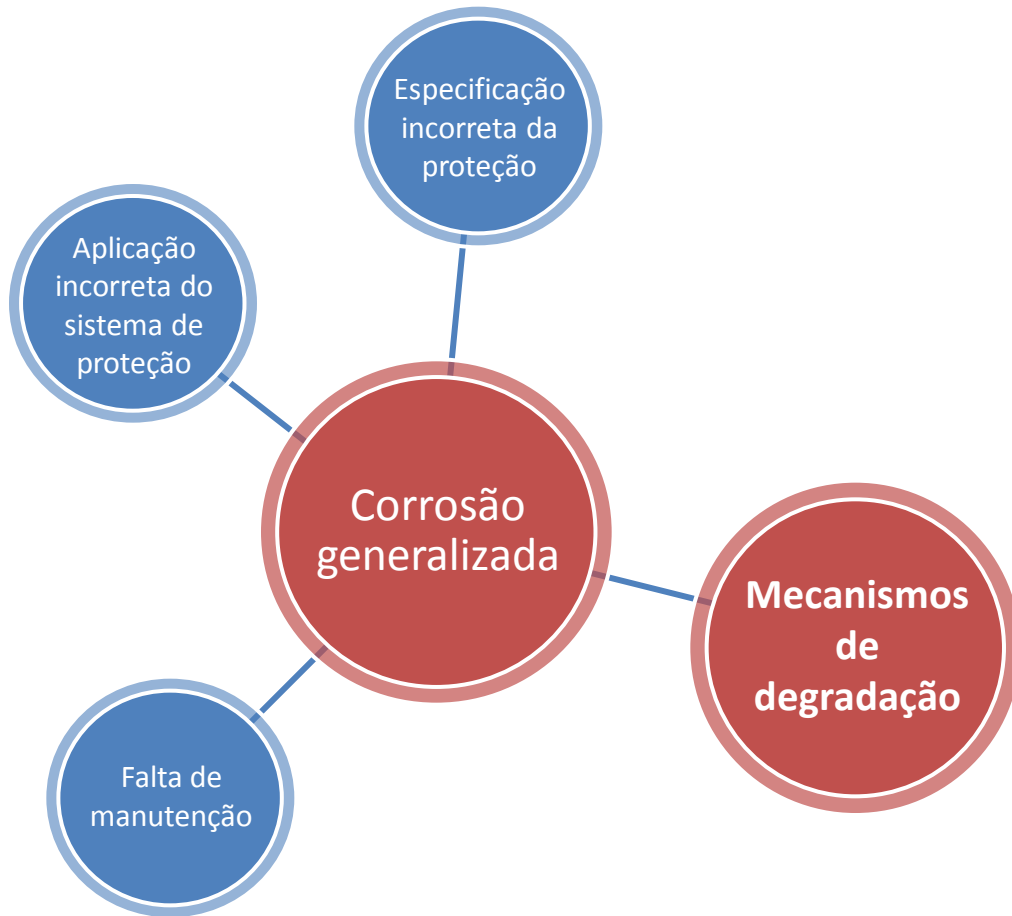














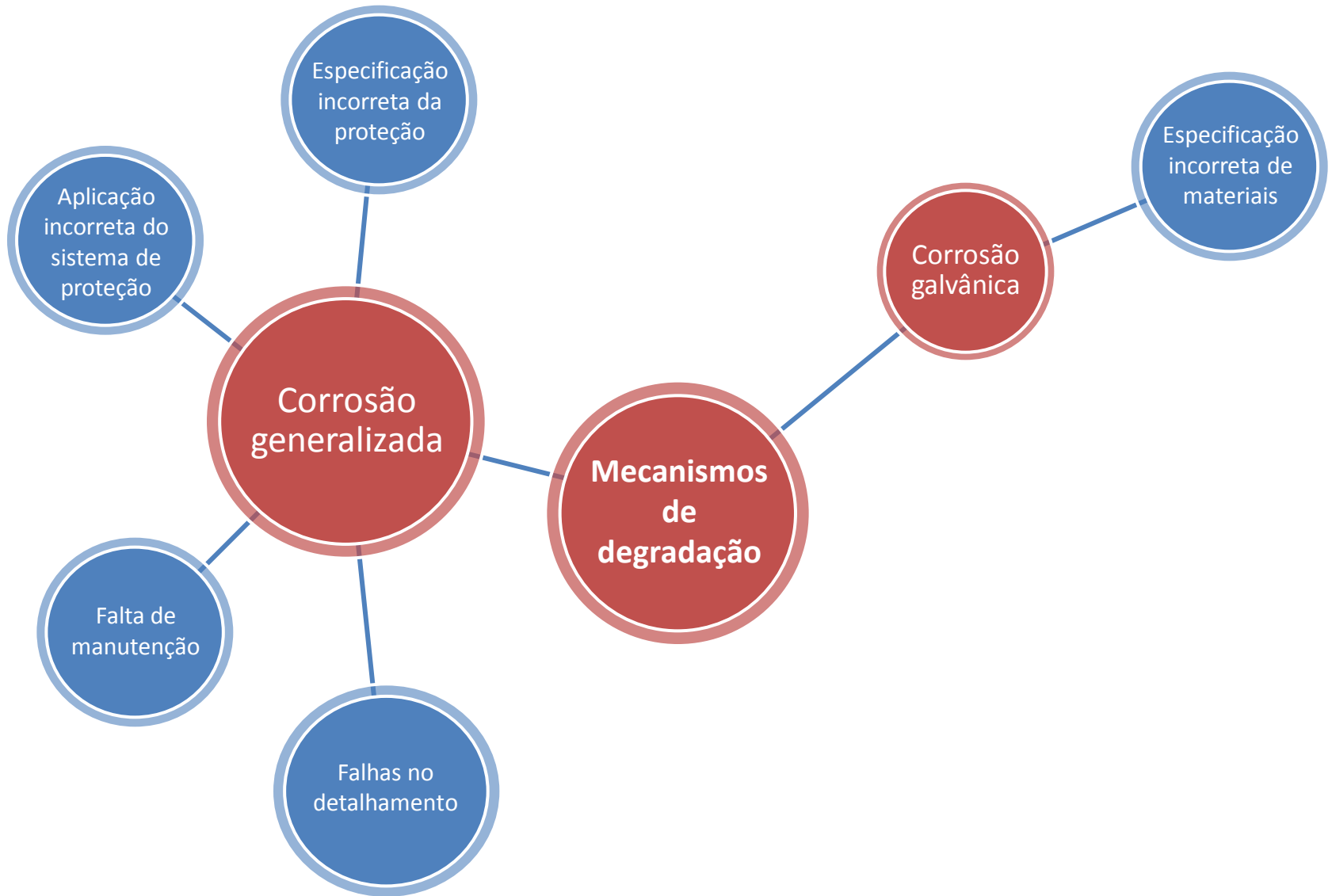








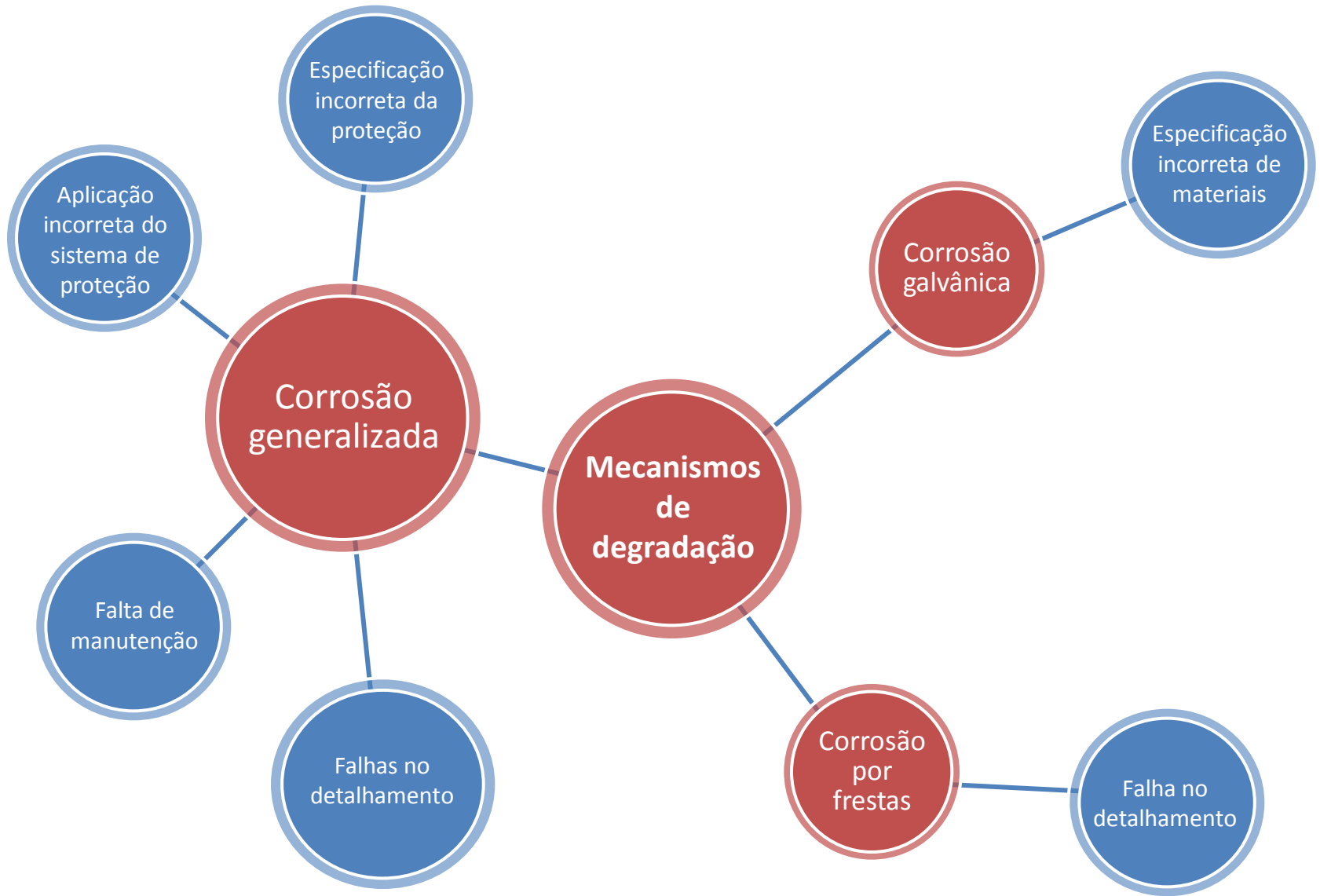






















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