Engineering Chemistry

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a) Compare and contrast Between valious theories of corrosion.

And) Conjunision of Corrosion Theories

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Arreit	Chemical Corrosion	Cleetro chemical
the the	Chemical Corrosion (04)	corrosion (wet)
fores.	Occurs in dry or high-	Requires moisture of
Environment	temperature environment	an electrolyte
		Gum tion of anodic
Meehanum	Direct chimical recution between metal ? glass	of carpodic regions
	between metal & glass	and Community
Reaction	Metal oxidizes divertly	Involves electron flow.
	with of or other glass.	between anodic & consolic
Sec. 122.	metins in intain	arear.
Examples of	Fe+0, -> Fe,0,	Fe - Fe2+ +2e : 1000000
reaction	Fe+02 -> Fe203	0,+24,20+40-3404
		4 77 (42) NEC - 175 1000
oxide	forms an oxide layer;	no continuous oxide
oxide Cayer	may be proteerive or	Cayes; pitt and cracks
	porow	Ofter form.
Over 1900		Fe, steel, and other
Common metal affect	At, cf, and other	metals in moist.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ed mercus at high temp.	metals in moist.
100		Rusting of iron in
camorion	L Hightemp ruting,	Rusting of iron in

relevance

corrosion

Andutrial significant in engines.

Kusting water, galvanic conviion Amportant in pipelines, marine environment, batteries.