



Organic Chemistry

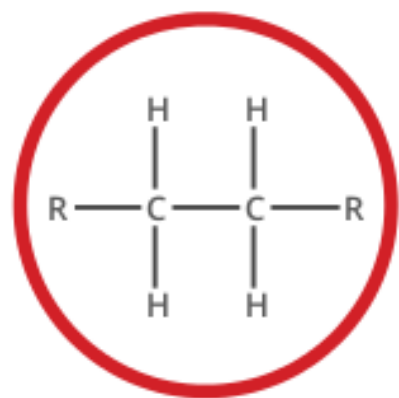
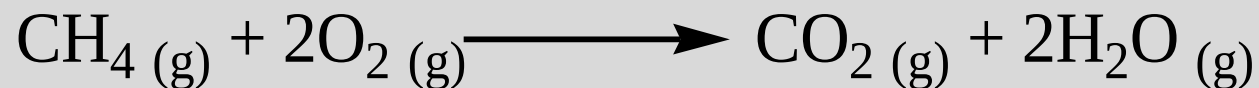
What I have summarized about...

C_hemical Reactions

By Moni Rodríguez



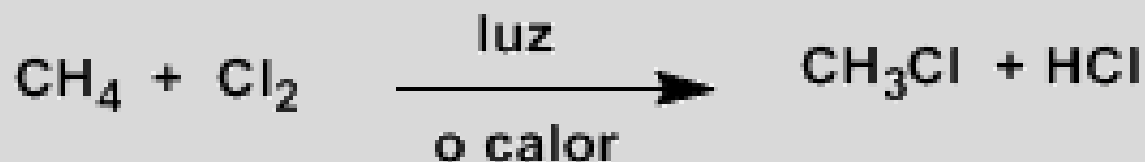
COMBUSTION



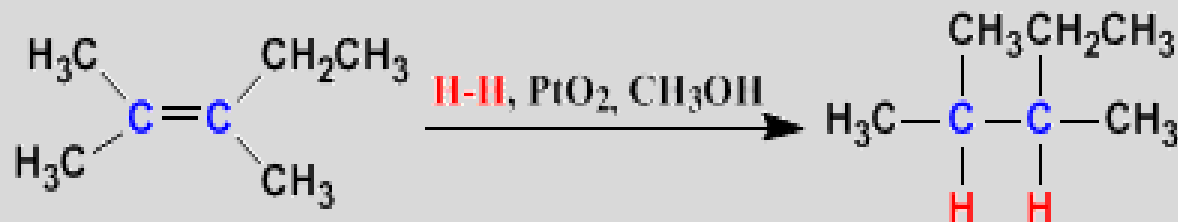
ALKANE

Naming: -ane
e.g. ethane

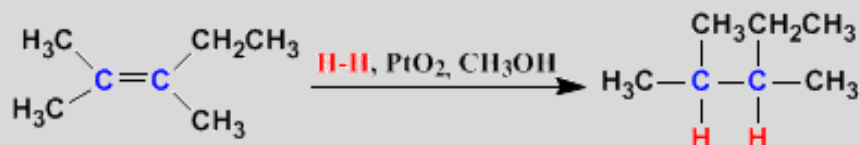
HALOGENATION



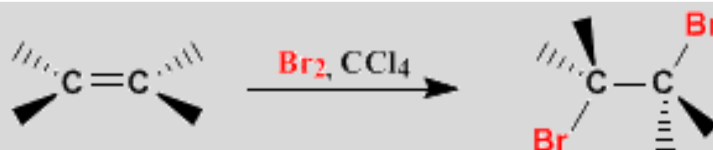
HYDROGENATION ALKENE



HYDROGENATION



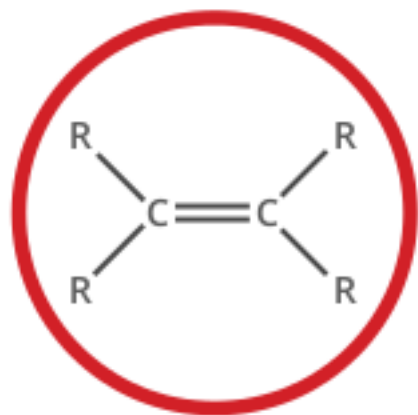
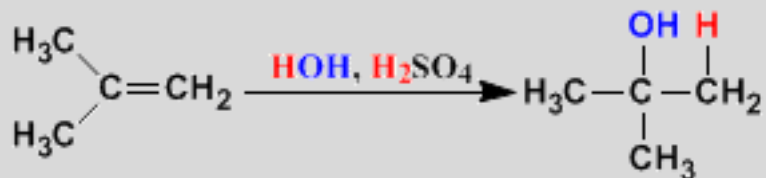
HALOGENATION



HYDRO-HALOGENATION



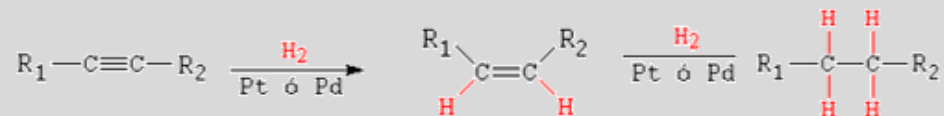
HYDRATION



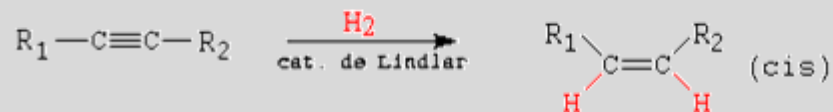
ALKENE

Naming: -ene
e.g. ethene

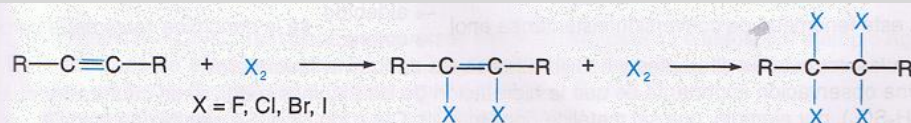
HYDROGENATION



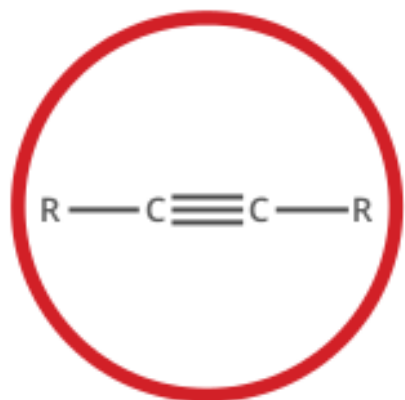
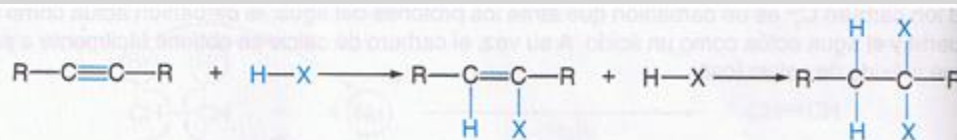
HYDROGENATION- LINDLAR



HALOGENATION

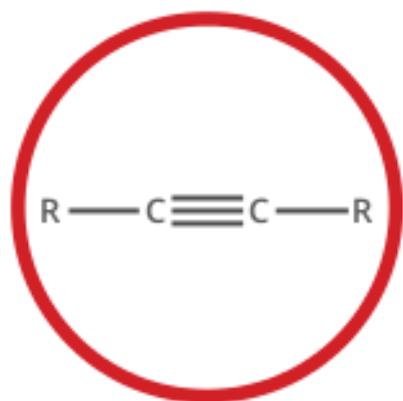


HYDRO-HALOGENATION



ALKYNE

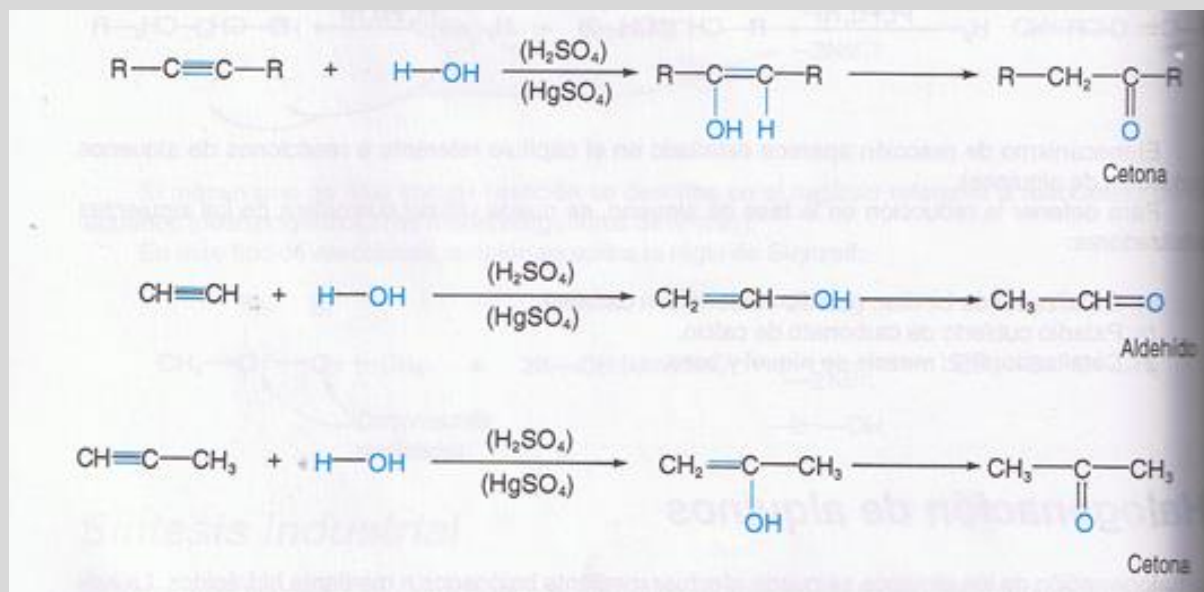
Naming: -yne
e.g. ethyne

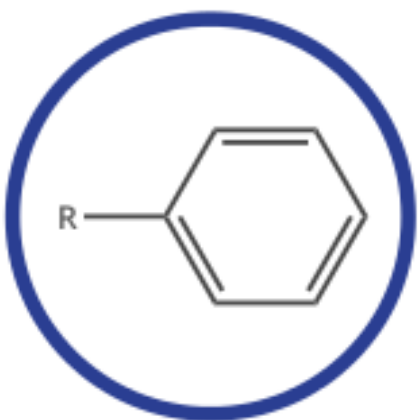


ALKYNE

Naming: -yne
e.g. ethyne

HYDRATION

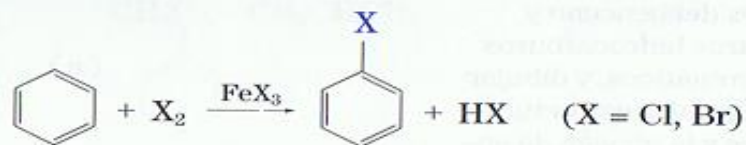




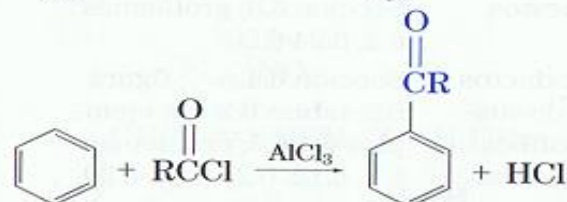
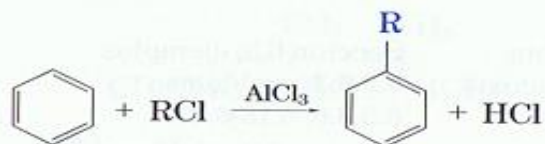
ARENE

Naming: -yl benzene
e.g. ethyl benzene

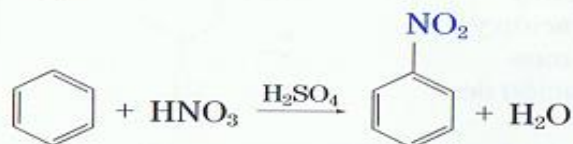
Halogenación:



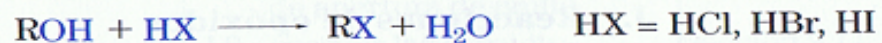
*Alquilación y
acilación de
Friedel-Crafts:*



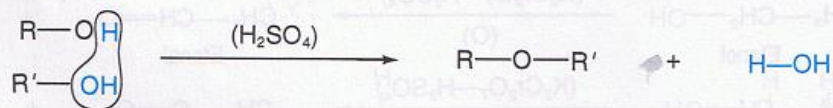
Nitración:



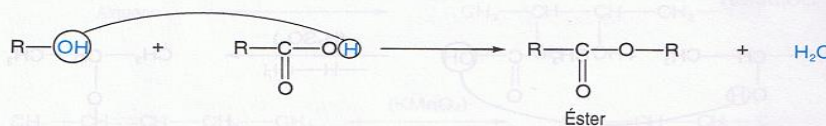
HALOGENATION



DEHYDRATION

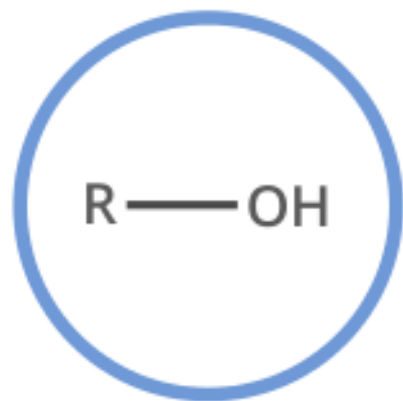
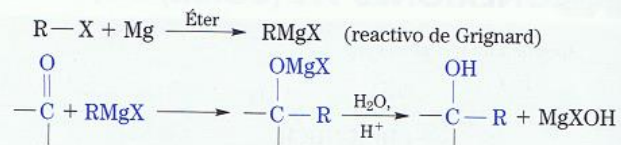


ESTERIFICATION



SYNTHESIS ALCOHOL- GRIGNARD

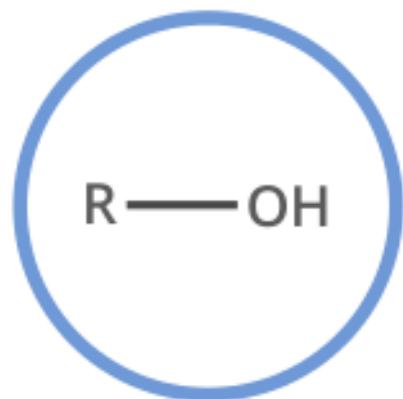
Síntesis de Grignard de alcoholes (sección 11.5.F)



ALCOHOL

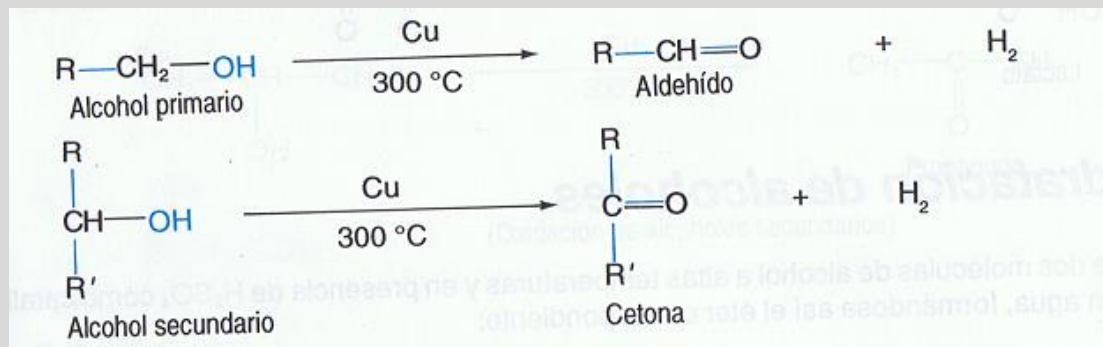
Naming: -ol
e.g. ethanol

OXIDATION – primary & secondary

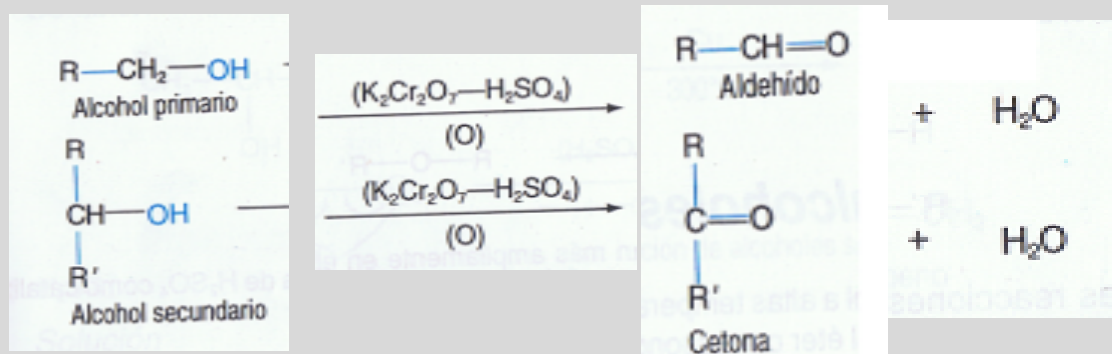


ALCOHOL

Naming: -ol
e.g. ethanol

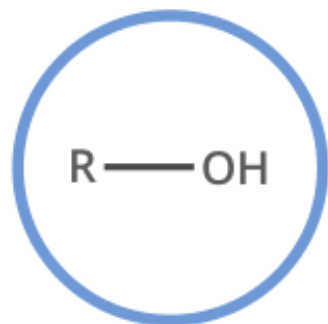


OXIDATION – primary & secondary



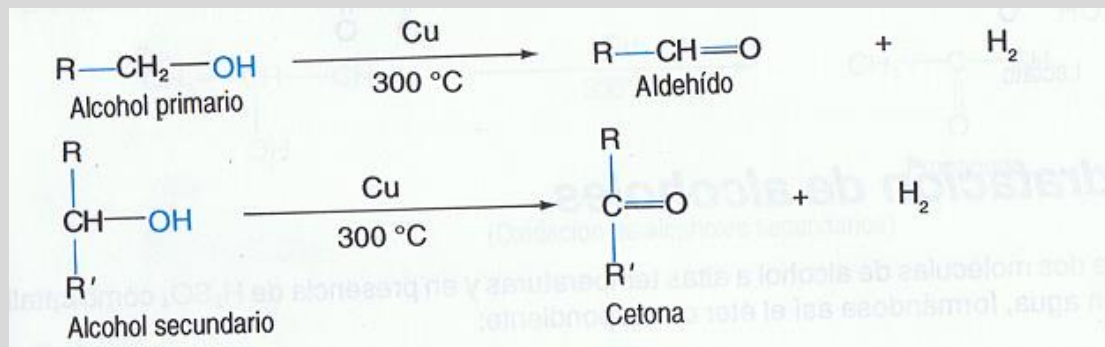
Ternary alcohol DOES NOT oxide

OXIDATION – primary & secondary

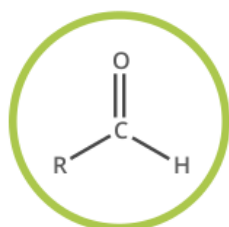


ALCOHOL

Naming: -ol
e.g. ethanol

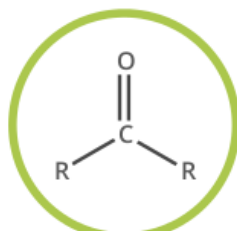


OXIDATION – primary & secondary



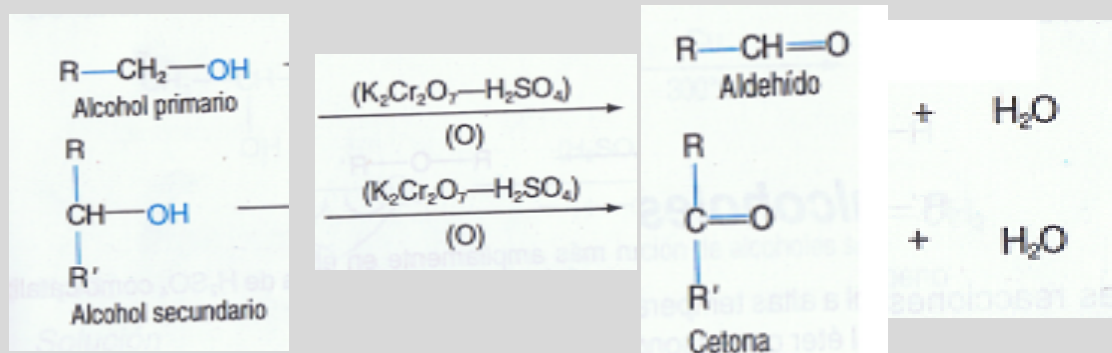
ALDEHYDE

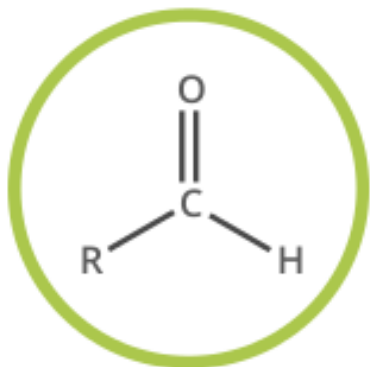
Naming: -al
e.g. ethanal



KETONE

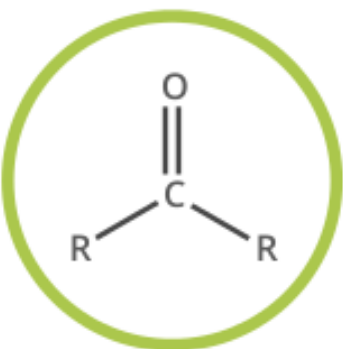
Naming: -one
e.g. propanone





ALDEHYDE

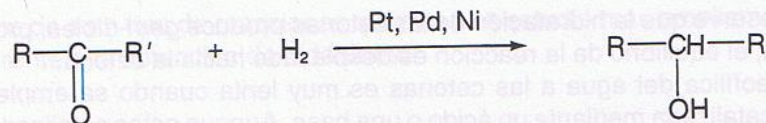
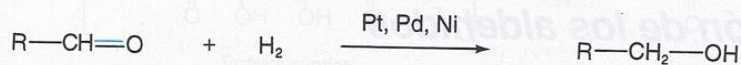
Naming: -al
e.g. ethanal



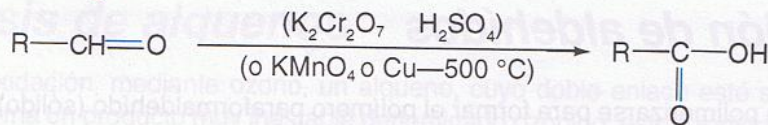
KETONE

Naming: -one
e.g. propanone

REDUCTION- primary & secondary



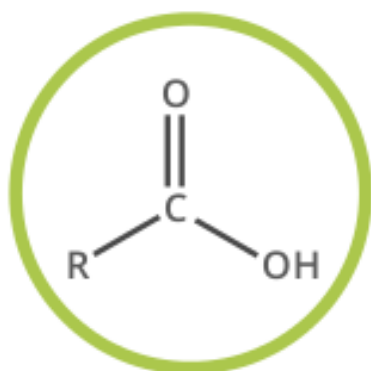
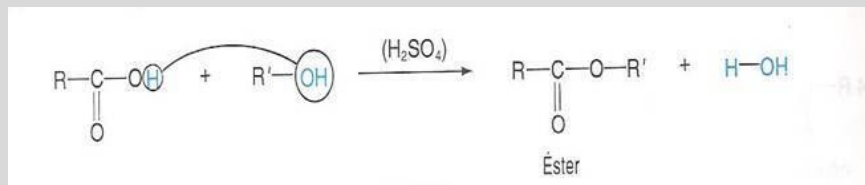
OXIDATION- ALDEHYDES



OXIDATION - KETONES

Ketones DOES NOT OXIDE

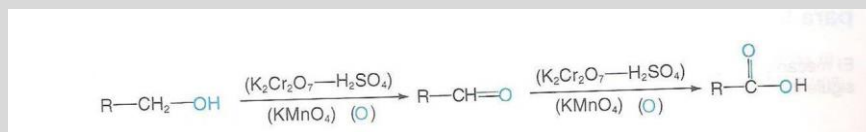
ESTERIFICATION



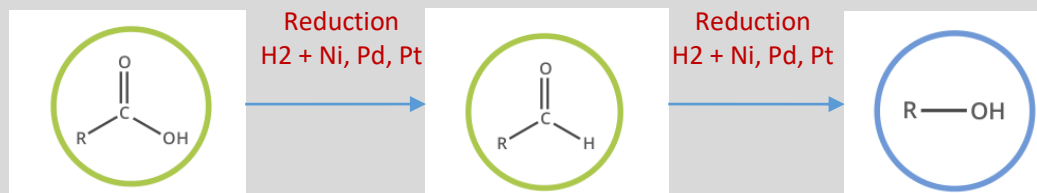
CARBOXYLIC ACID

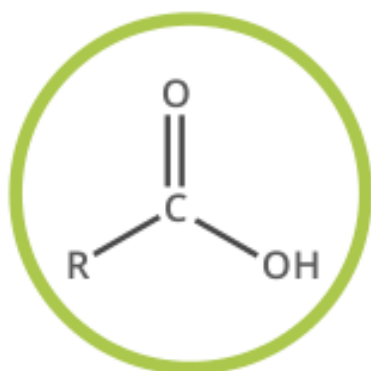
Naming: -oic acid
e.g. ethanoic acid

TOTAL OXIDATION



TOTAL REDUCTION

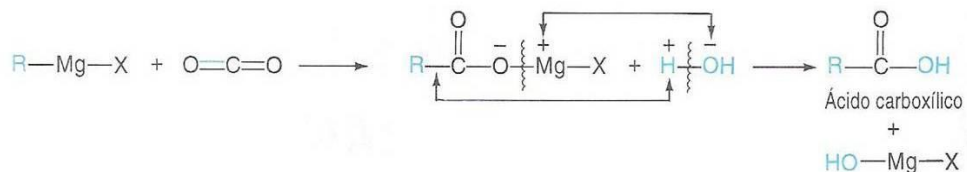




CARBOXYLIC ACID

Naming: -oic acid
e.g. ethanoic acid

CARBONATATION- GRIGNARD



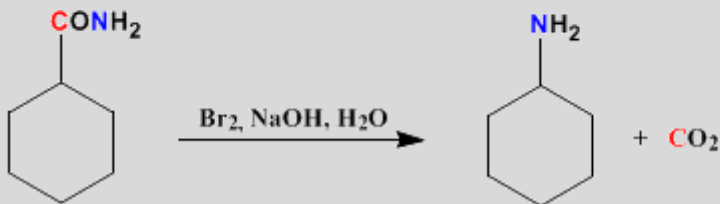
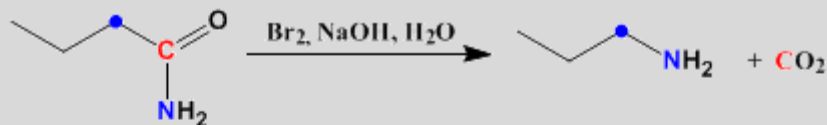
AMINATION



REDUCTION



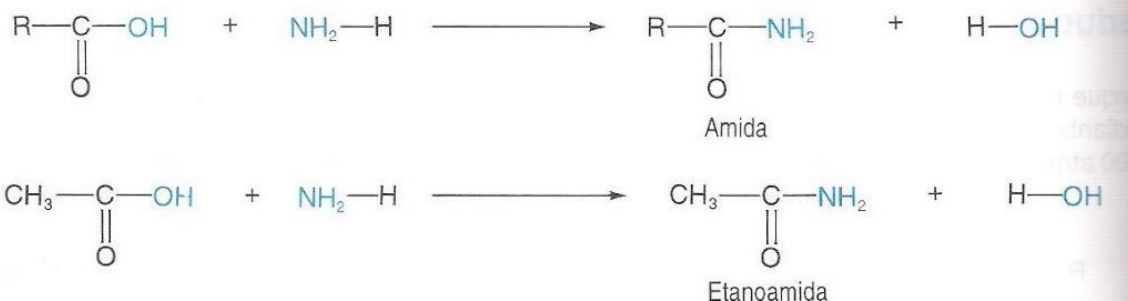
HOFFMAN DEGRADATION



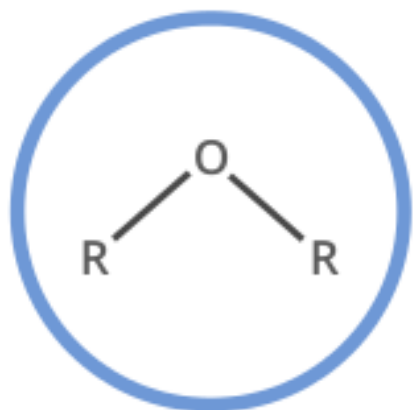
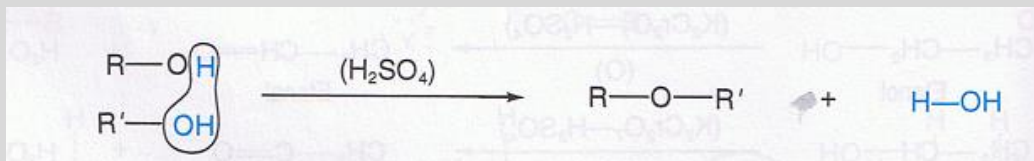
AMINE

Naming: -amine
e.g. ethanamine

AMINATION CARBOXYLIC ACID



DEHYDRATION ALCOHOLS



ETHER

Naming: -oxy -ane
e.g. methoxyethane

SODIC SALT



WILLIAMSON SYNTHESIS

