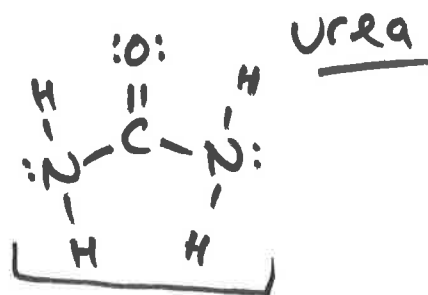


4-24 Organic Chem

- any molecule made or derived from life
- have carbon "backbone"



Nomenclature

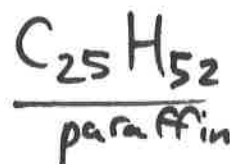
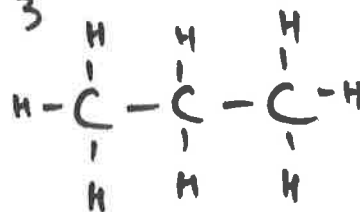
# C	prefix
1	meth-
2	eth-
3	prop-
4	but-
5	pent-
6	hex-
7	hept-
8	oct-

Suffix

-ane (alkane)

- straight C chain, all C-C

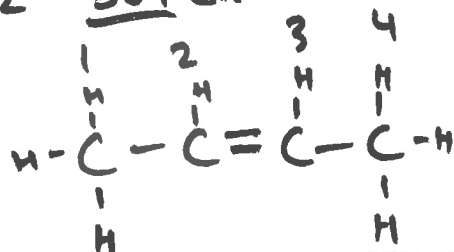
ex) propane



-ene (alkene)

- one C=C in chain

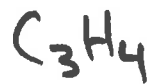
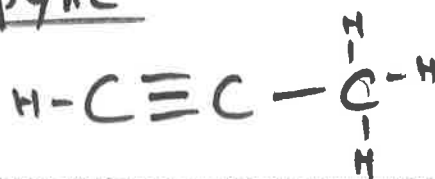
2-butene



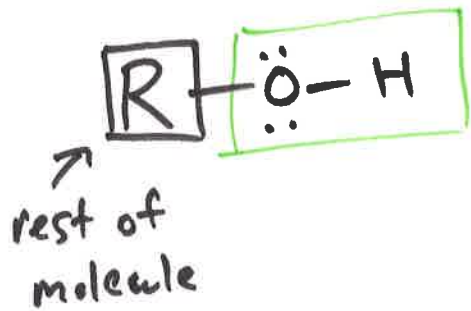
-yne (alkyne)

- one C≡C in chain

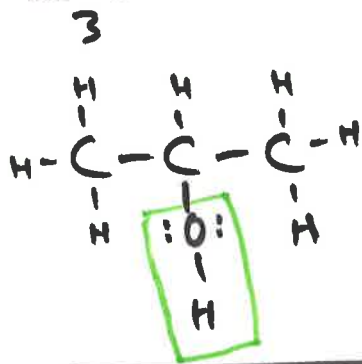
propyne



-anol | alcohol



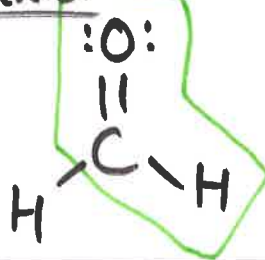
2-propanol (rubbing)



-anal | aldehyde - end C only

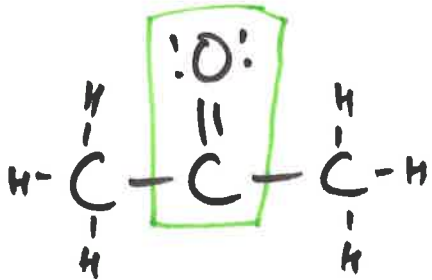


methanal



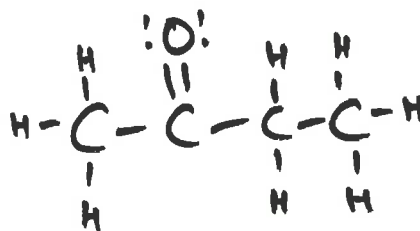
-anone

"ketone"
- middle C only

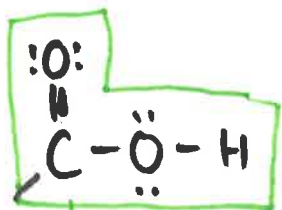


propanone "acetone"

2-butanone

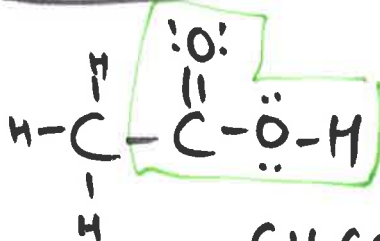


-anoic acid | organic acid



-COOH

ethanoic acid



CH₃COOH