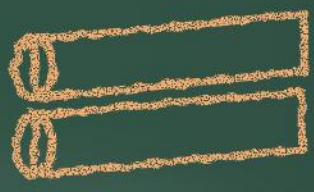
PrayogX · Chemistry

PRAYOGX

Aldehydes, Ketones & Acids



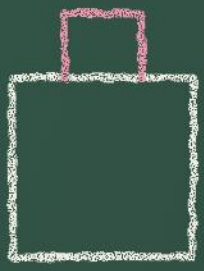
vanilla



cinnamon



vinegar



nail polish remover

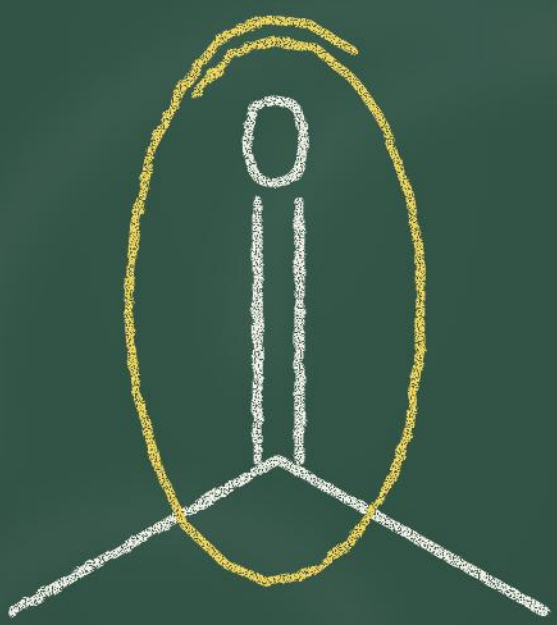
one secret in common?

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PRAYOGX

Aldehydes, Ketones & Acids

the secret



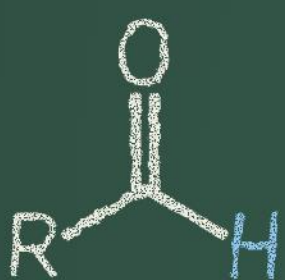
C=O

the carbonyl group

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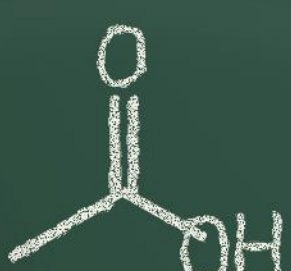
Aldehydes, Ketones & Acids



vanilla, cinnamon
aldehydes



nail polish remover
acetone: a ketone



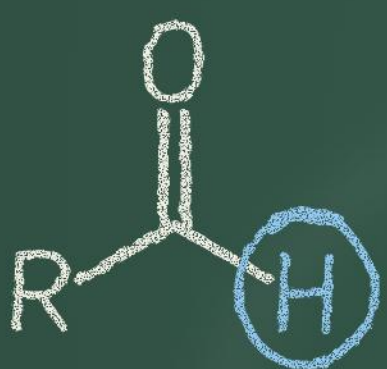
vinegar
acetic acid
a carboxylic acid

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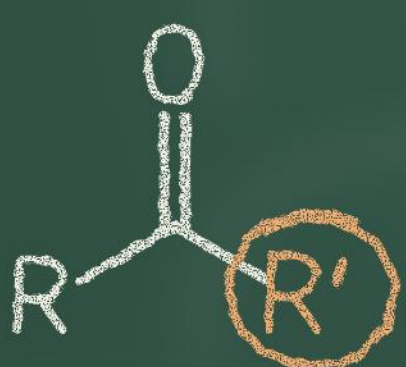
PRAYOGX

Aldehydes, Ketones & Acids

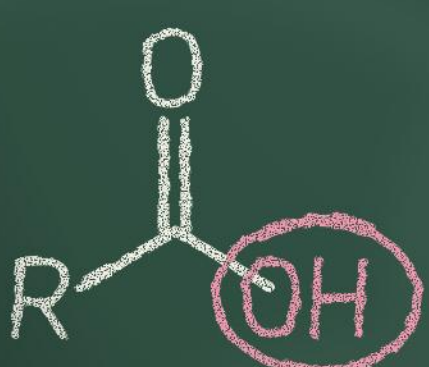
what is on the carbonyl C?



aldehyde
at least one H



ketone
two carbon groups



carboxylic acid
an -OH group

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Aldehydes, Ketones & Acids

in this chapter

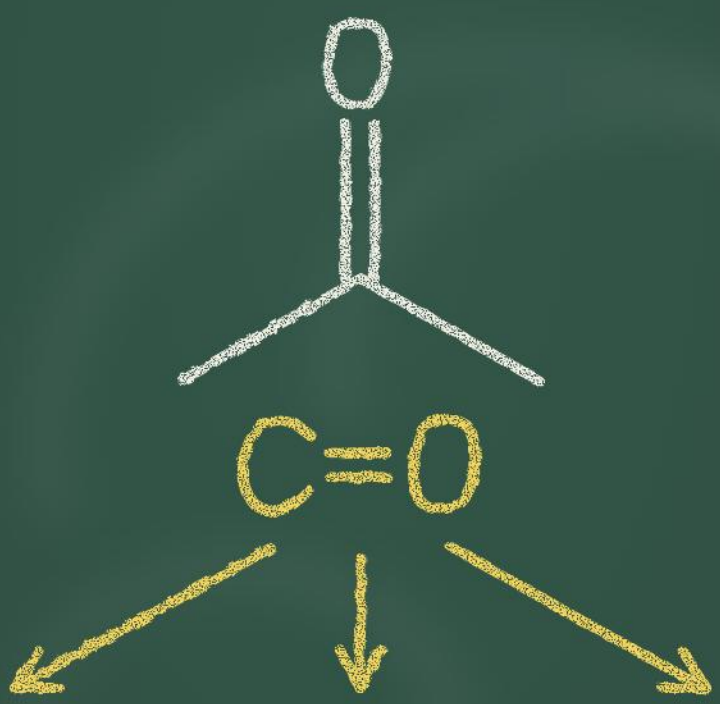
1. how we make them → C=O
2. nucleophilic addition at C=O — δ^+
3. aldehyde or ketone? 
4. why acids are acidic — H^+

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PRAYOGX

Aldehydes, Ketones & Acids

remember



smell flavour acids

one small group, a whole chapter