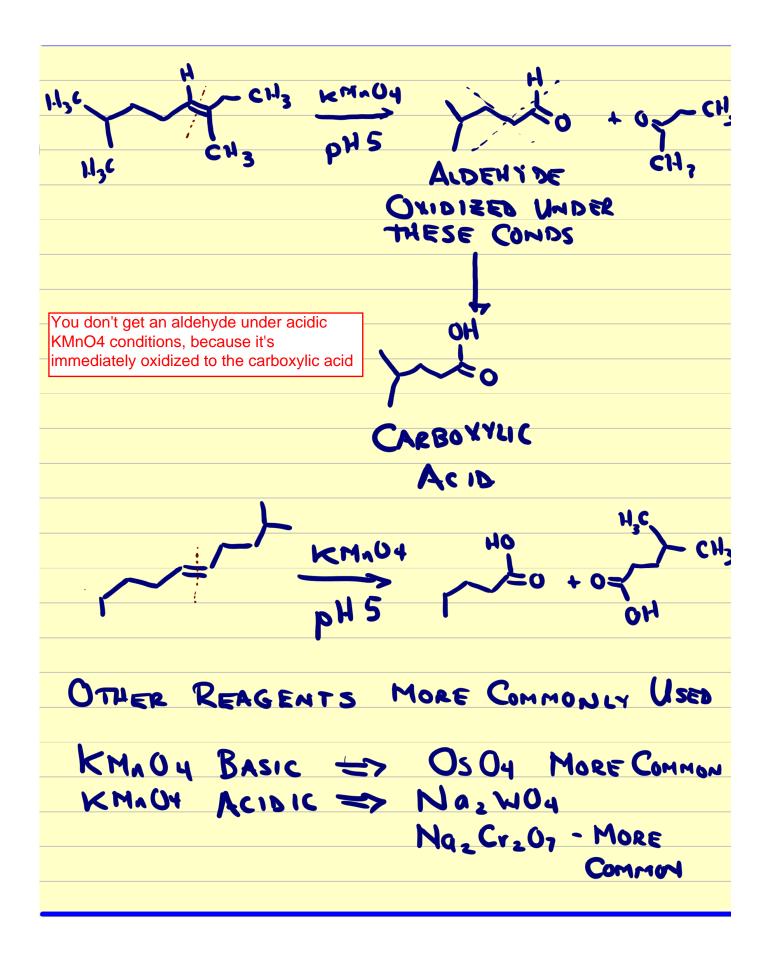
2) KMy 04 (ACIDIC OR NEUTRAL)



OZONE B3

- WHAT IF YOU WANT AN ALDEHYDE

INCREDIBLY REACTIVE
OXIDANT

MMEDIATELY CLEAVES BOTH THE & MID OF BONDS OF A DOUBLE BOIND

$$C = C + O_3 - C$$

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Since CARBONYLS THEMSELVES ARE HOT FORMED UNTIL ALL OYIDANT IS GONE, YOU' CAN GET ALDEHYDES

$$H_3$$
  $(CH_3 - CH_3 -$ 

## ALKYNES.

- -THEY DO ELECTROPHILIC ADDA.
  RXNS, PRETTY MUCH LIKE ALKENES
  - BUT MORE SLOWLY.
- REASON SP CARBONS HAVE CT DENSITY HELD MORE CLOSELY TO NUCLEUS THAN Sp2 CARBONS

## - = MORE ELECTRONEGATIVE

.. LESS WILLING TO DONATE C'S

IN ELECTROPHILIC ADDN RAN.

OTHER WISE, CHEMISTRY IS ANALOGOUS

One difference in acid catalyzed addn of H2O

CHANGES MECH. , BUT PRODUCT 15

(or at least different from alkene addn product

TAUTOMERISM

The equilibrium constant for this 'tautomerism' is about 1000000:1 in favour of the ketone - so that's all you see

USYALLY USED FOR I-ALKYNES

GET A METHYL KETONE

best in these cases because Markovnikov addn means only one product is obtained