LEC (17) CHEM 30A Nov 9th

(1) OXIDATION READ 6.5-6.7, 7.6
(2) REDUCTION PROBLEMS 6.41-6.52
(3) STEREOCHEMISTRY

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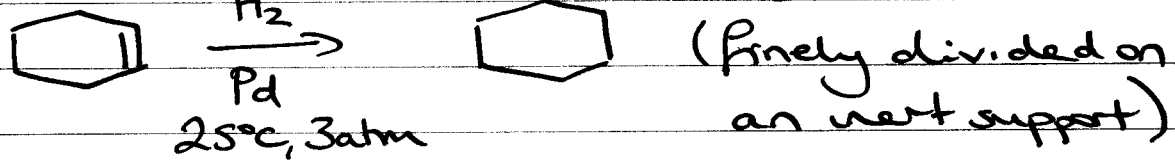
(1) See page 6-8 Lec (16)

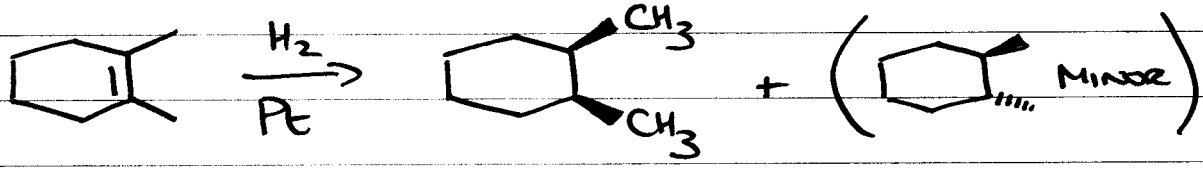
(2) REDUCTION



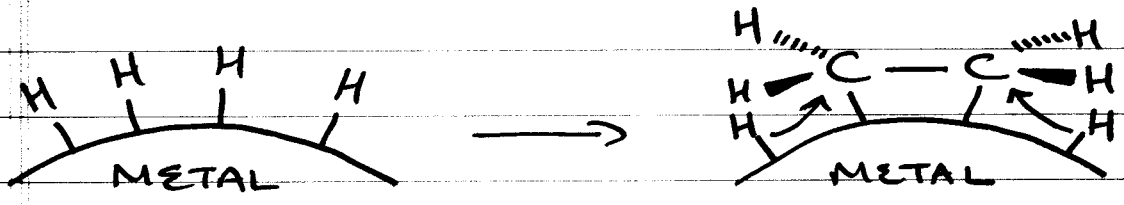
Transition metal catalyst Pt, Pd, Ru, Ni

CATALYTIC REDUCTION / HYDROGENATION

- Stereoselective

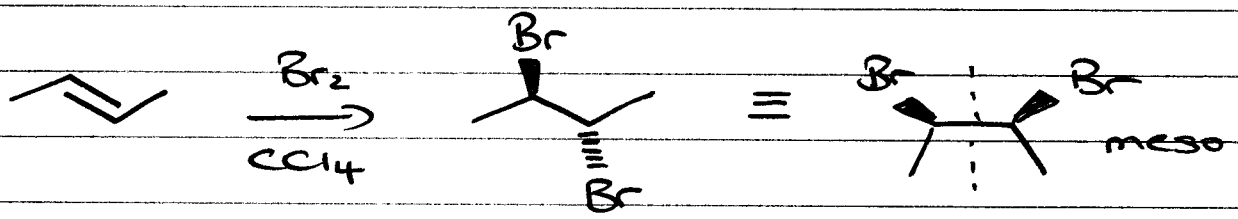


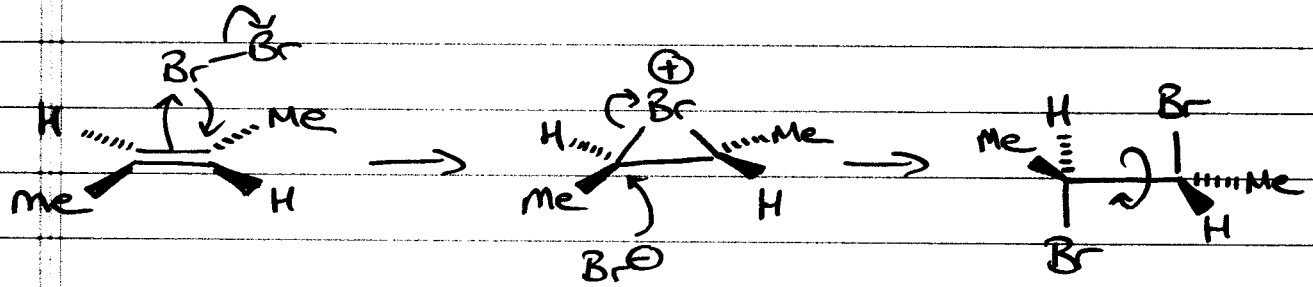
mechanism

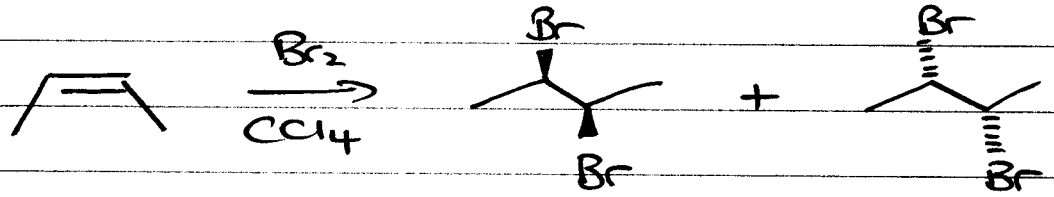


MINOR PRODUCTS result from isomerisation of the alkene on the metal catalyst

(3) STEREOCHEMISTRY (again)

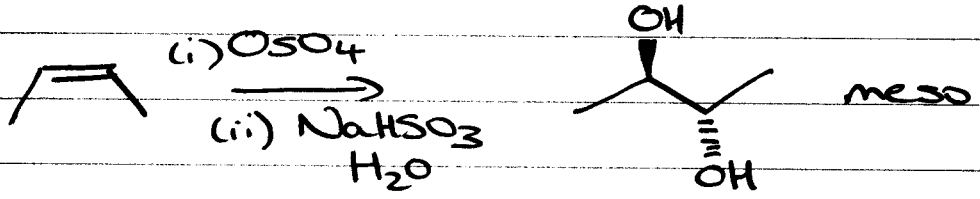


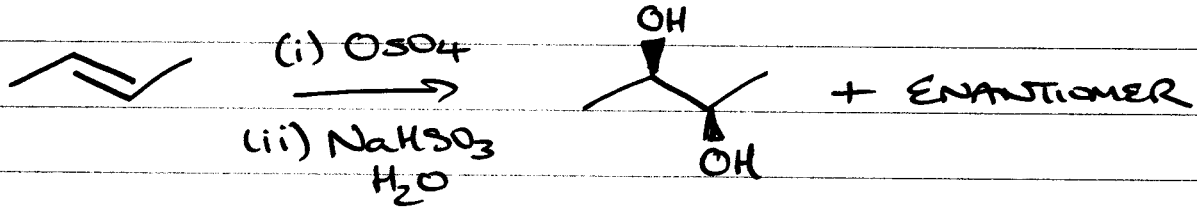




ENANTIOMERS

WORK THRU MECHANISM





Again, work through the mechanisms and show how you get to each product.