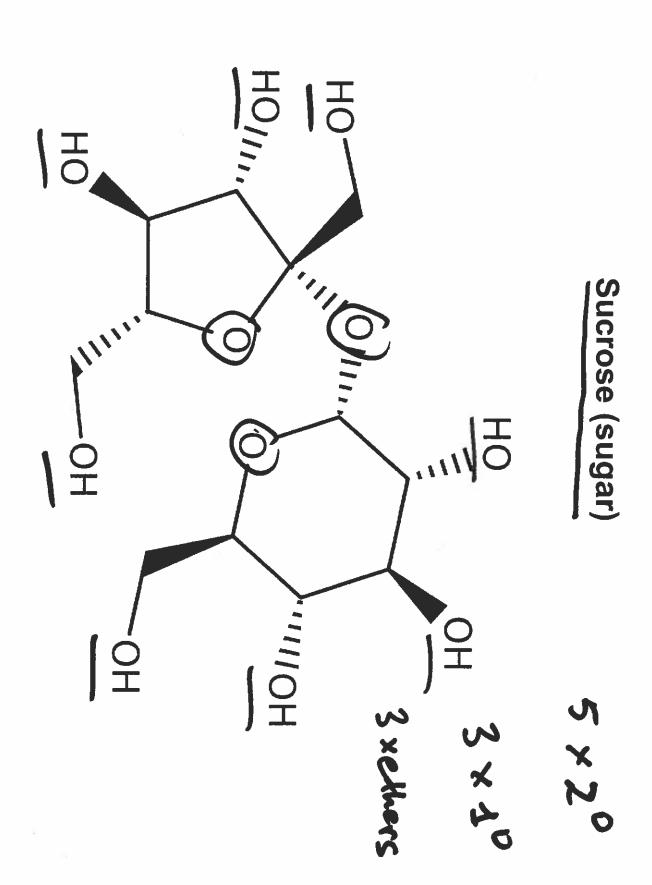
Comments on midterm 1

- Chapters 7 and 8≛
- *some of the material overlaps with Chapter 9.6 relevant problems in the midterm (synthesis of alcohols and ethers) and you may find
- Excludes double elimination (Chapter 8.10)
- What should (must?) you do first when preparing for midterm 1?
- focus on everything S_N1, S_N2, E1, E2 (including synthesis)!!!



Alcohols, ethers, epoxides

bond angle 1110	Prop CHS OCHS CHS CHS	Dialkyl ethers, symmetrical and unsymmetrical	17 = so enoi phenol	Alcohols, enols, phenols
		70	togo mile	H-bonding!

Epoxides

RIVERS

special case of

cyclic ethers

bound angle 600 - strain (angle strain)

Alcohols: nomenclature

IUPAC, common names, cyclic alcohols, diols, triols

· octane (8c)

· octan-2-01

5-methyl octan-2-01

W Top

3-methylayclopentanol

for cyclic

You sec-buty/alcohol

Alcohols: nomenclature

IUPAC, common names, cyclic alcohols, diols, tools

diols or glycols 2 × OH groups

Howord ethylene glywl ethane-1,2-diol

trans - cyclopentan - 1,2-dipl

HOLL

Ethers: nomenclature

Simple ethers (dialkyl, alkyl alkyl), complex ethers, cyclic ethers

tetrahydrofuran direthy) other ethy isopropy other - ethoxy group tetrahydropyran 2-c thory -4- mothy looking

Epoxides: nomenclature

Epoxyalkanes, oxiranes, alkene oxides

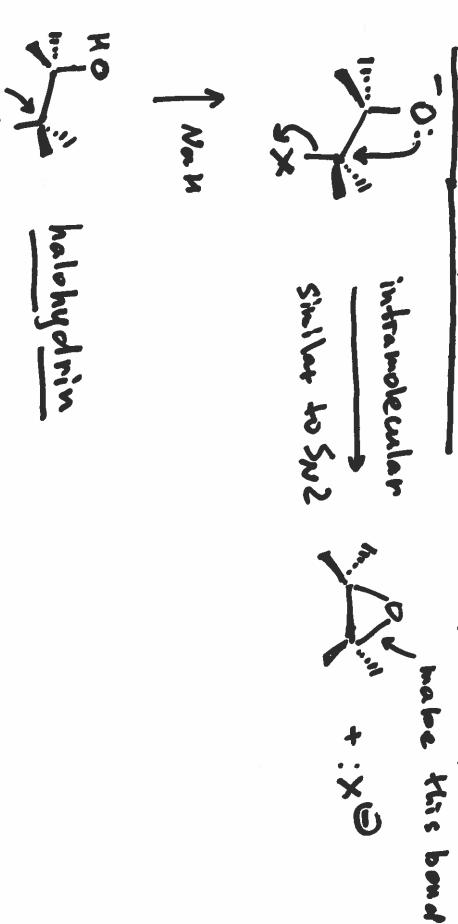
ethylene Oxivane 1,2-epoxyayclohexane chylene oxide cis - 3,4-epoxy hexate 2,2-dimethyloxirane · alky chair - herang

Alcohols, ethers, epoxides: synthesis

S_N2 reactions, Williamson ether synthesis

Alcohols, ethers, epoxides: synthesis

Intramolecular nucleophilic substitution reactions and synthesis of epoxides



Alcohols, ethers, epoxides: reactions

Converting hydroxy group into a good leaving group and reactions of alcohols