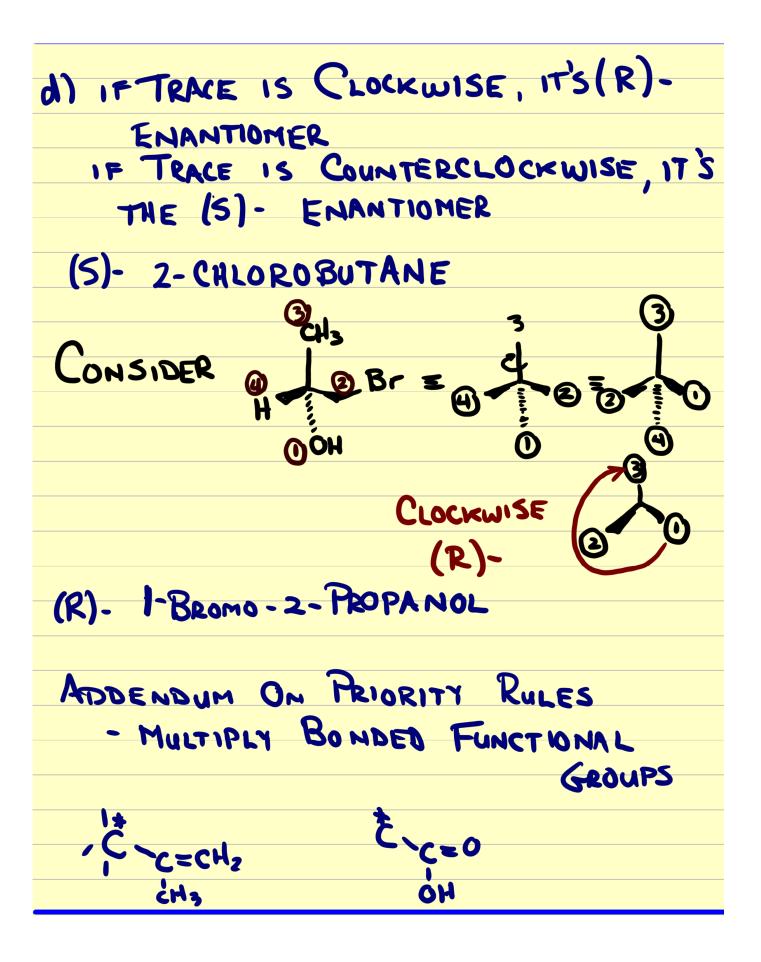
So how can one relate structure to optical rotation? The realtionship is so complex, that until ca. 1950, one could only guess....

So here's the guess; glyceraldehyde is easy to convert to many other compounds, so it was a great starting point (TUESS GLYCERALDE HYDE 1951- XRAY CRYSTALLOGRAPHY PROVED THIS GUESS CORRECT. 'd', or 'l' or '+' or '-' will still be seen occasionally, but it is not systematic SYSTEMATIC WAY OF NAMING ENANTIONERS CIP SYSTEM, SIMILAR TO ALKENES, IS USED TO BE RIGOUROUS a) RANK THE 4 GROUPS 1,2,3,4 IN ORDER CH2CH3 OF PRIORITY. 6) ORIENT MOLECULE SUCH THAT LOWEST PRIORITY GROUP IS DIRECTED AWAY FROM READER (4) C) TRACE 1-2-3



## FOR PRIORITY PURPOSES ONLY, REPLACE MULTIPLY BONDED ATOMS BY A EQUAL # OF SINGLY BONDED ATOMS

WITH 2 CHIRAL CENTRES- HOW DO YOU DO THIS?

