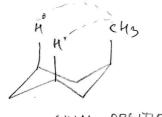
CHM 151: MONOSUB STITUTED CYCLOHEXANES



CH3

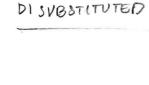
AXIAL DOSITION OF CHIZ

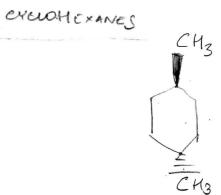
RING-FLIP CH3

OF CH3

THE ENERGY DIFFERENCE

15 SIGNIFICANT!

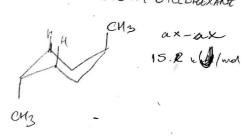




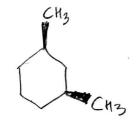
as - 1, 4 - DIMETUNCHEXANE

SU3 AX-EX

TRANS 1, 4-DIMETWLCHCCOHERANT



H3C CU3



ENANTIOMERS

STEREOISOMERS THAT ARE

MAGES OF EACH Druck

A TETRAGEDRAL CARBON WITH FOUR DIFFERENT FUBSTITUENTS GIVES PUSE TO ENANTIONERS.

CHIRALITY

OBJECTS (OB MOLECULES) THAT AVE NON- EUPERIMPOSABLE ON THEIR MIRROR I MAGES.

AN OBJECT/MOLECULE IS

NOT CHIRACIT IT CONTRINS

A PLANE OF MYMMETRITY

CHIRACITY CENTRES ARE

CARBONS BOUND TO 4

DIORDRENT SUBSTITUENTS.

Plo on

4

SPECIFIC ROTATION

A SAMPLE ABLE TO ROTTE

THE DLANE OF POLARIZATION

OF A BEAM OF TRANSIMITED

PLANE - POLARIZED LIGHT AS

SAID TO BE OPTICALLY AUTUE.

OPTICAL ACTIVITY IS A SUFFRMENT

BUT NOT NECESSARY

CONDITION OF CHIRALITY.

DEXTROROFATORY (+) OPT. ALT: 4610 PLANT IS MOTHORD

PATRICENSTON X CONC.

= degrees

olin g/ml

ASSIGNING R AND S CONFIGURATIONS

CHIN-INGOLD-PREIOC SUSTEM!

A TOMS DIRECTLY BOUND
TO THE CHEALITY SENTRE
IN ORDER OD DEGREASING
ZL.

2. IN CASE OF AMPOSSIBILITY OF 1,
MOVE SEQUENTIALLY TO
THE ATOMS FURTHER,
PYROM THE CHIR. CENTRE
3. MULTIPLY -BONDED.
ATOMS ARE EQUIVALENT

TO THE JAME NUMBER OF SINGLE BOND,

MEN THE COMPOUND WITH

THE COMPOUND WITH

POINTING OUTWARDS.

IF THE ORDER OF THE OTHE

SUNSTITUENTS IS MOCKWISE,

THE CHIRALITY HAD THE R

CONFIGURATION

OTHERWISE, THE CHIRALITY

CENTRE HAS THE S CONFIGURATION

DIASTEREOMERS

A COMPOUND WITH IN CHIRALITY CENTRES CAN HAVE AS MANK AS Q'N STEREOISOMERS.

STEREOISOMERS WHICH hee NOT MIRROR IMAGES OF EACH OTHER,

PIMERS

DIASTEREOMERS THAT

MEFER IN THE

CONFLOURATION OF

4 SINGLE CHIRALITY

CENTRE