



(3 CARBON WITH 4 DIFF. GROUPS SUBSTITUTED - MIRROR IMAGES BUT NOT SUPERIM POSABLE definition . ENANTIOMERS-- A COMPOUND WHICH HAS THIS PROPERTY IS SAID TO BE CHIRAL - THE CENTRE WITH 4 DIFFERENT GROUPS IS & CHIRAL OR ASYMMETRIC CENTRE. - MOST PHY SICAL PROPERTIES WILL BE IDENTICAL. mp, p, IR, NMR, Rf refractive index

- ROTHE PLANE POLARIZED LIGHT TO EXACTLY THE SAME

DEGREE, BUT IN OPPUSITE DIRECTIONS

-OLD NAMES - ENANTIOMER THAT

ROTATES LIGHT CLOCKWISE (S

CALLED 'd' or '+'

ENANTIOMER.

- THE ONE THAT ROTATES IT COUNTERCLOCKWISE, 'L' OR -- '

ENANTIOMER

- MEASURE VALUE [] "SPECIFIC ROTATION

[~] = 100 × l×c

'D' is the wavelength of light used (589 nm), T is the temperature it is recorded at

- ~ OBSERNED ROTATION
 - 2 PATH LENGTH (Idw) not the same 'I' as above

C - CONCENTRATION 9 per 100 mL SOLN

4

