

Preview from Notesale.co.uk
Page 1 of 22

Axial Chirality

Chirality of Allenes

Configurations of Axially Chiral Systems

The *configurations* in axially chiral systems are specified using R_a and S_a or P (plus) and M (minus). The subscript "a" referring to "axially chiral".

Sequence Rules

The CIP priority rules are used to assign priority to the end groups, but with one addition: That the near groups have a higher precedence over far groups. The two "near" and two "far" substituents on the axial unit are ranked.

Viewing Rule

The chiral axis is viewed end-on and the sense of configuration determined.

Chirality of Biphenyl Systems

Assigning Configurations of Atropisomers (R_a vs S_a)

By generating appropriate models of each atropisomer, the sense of configuration can be determined.

Preview from Notesale.co.uk
Page 17 of 22

