Isomers (Level 2) exam tips

• Be specific, use the phrase carbon to carbon double bond, not just a vague reference to a double bond

#### • Cis KISSING, the groups are on the SAME side of the carbon to carbon double bond

• Geometric isomers (cis - trans) there must be two different groups on the same carbon atom involved

 in the double bond

AND…

• The carbon to carbon double bond fixes the position of the atoms/groups so free rotation about the

 carbon to carbon double bond is not possible

Also…”don’t be daft”

#### Rotation can definitely NOT occur around a double bond

#### You and I know what you mean by "the double bond", but unfortunately an EXAMINER DOESN'T, please Always refer to the "CARBON TO CARBON double bond"

Be very specific when referring to groups attached to the C to C double bond eg *hydrogen atom or methyl*

 *group etc*.. ensure that your answer relates to the molecules that were asked about in the question.

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