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Teacher's Signature

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	30 - Design and Materials.
(Q-1)	Chirality in pharmaceutical synthesis
7	most drugs contain atteast one chiral centre.
	it can excist as two isomers (mirror image) which are
	known as enantiomers
	Most chinal drugs extracted from natural mesources
	often contain a single optical isomer
	One enautioner can be useful, while the other may
	be harmfu.
	Producing druigs consisting of a single optically active
	isomer is beneficial because:
	minimises hisk of side effects
•	patient can be given smaller doses if all the drug is
	active
	it's chaper since it'll be a waste of money producing a
	drug haif of which won't be useful
	Pure enantionners can be prepared by:
	· optical resolution
	· using optically active starting materials.
	· using chiral catalysts.

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