

CONCEPT: ALLYLIC HALOGENATION – GENERAL MECHANISM

Recall the reaction of diatomic halogen with a double bond. This reaction proceeds through a *bridged-ion intermediate*.



However, in the presence of a *radical initiator*, radical intermediates will predominate, changing the site of reaction.



General Mechanism:

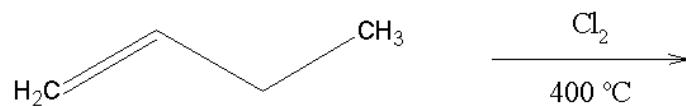
Initiation:

Propagation:

Termination:

CONCEPT: ALLYLIC HALOGENATION – SPECIFIC REACTIONS

Allylic Chlorination:



Allylic Bromination:

