

## Alkene Reactions Guide for Chapters 10-11

Chapter/Section	Alkene Reactions	Mechanism?
10.2		Yes
10.8		Yes
10.10		Yes for step 1 (not oxidation) anti-Markovnikov syn-addition
11.2		Yes
11.2		Yes
11.10		No syn-addition (mechanism unknown)
11.3		Yes for step 1 (not reduction) trans-addition
11.4c		Yes attack at more substituted site
11.4c		Yes attack at less hindered site

Chapter/Section	Alkene Reactions	Mechanism?
11.4		Yes
11.5		Yes
11.6c		Yes (step 1)
11.6		No
11.6		No

} syn-addition in the pericyclic step

Chapter/Section	Alkyne Reactions	Mechanism?
11.7		Yes
11.2b		No
11.10b		No
11.11		Yes

} Markovnikov for HX  
difficult to stop at 1 addition  
no rearrangements