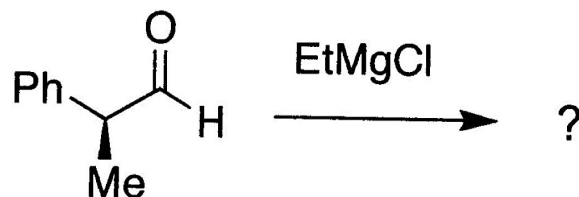
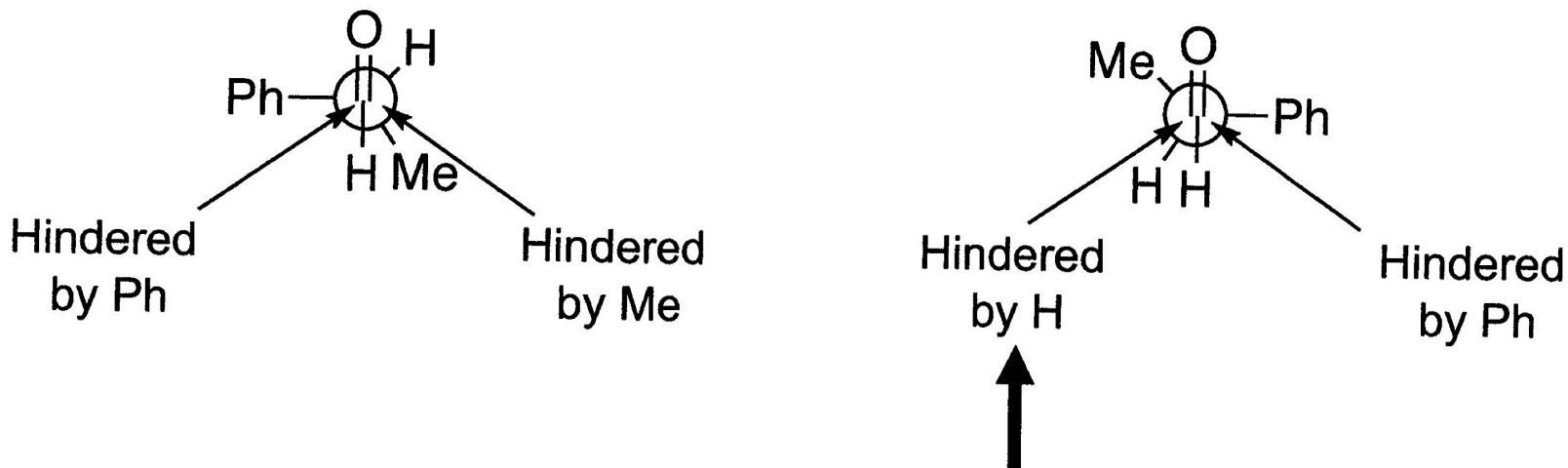


Nucleophilic attack on a Felkin-Ahn conformation 1.



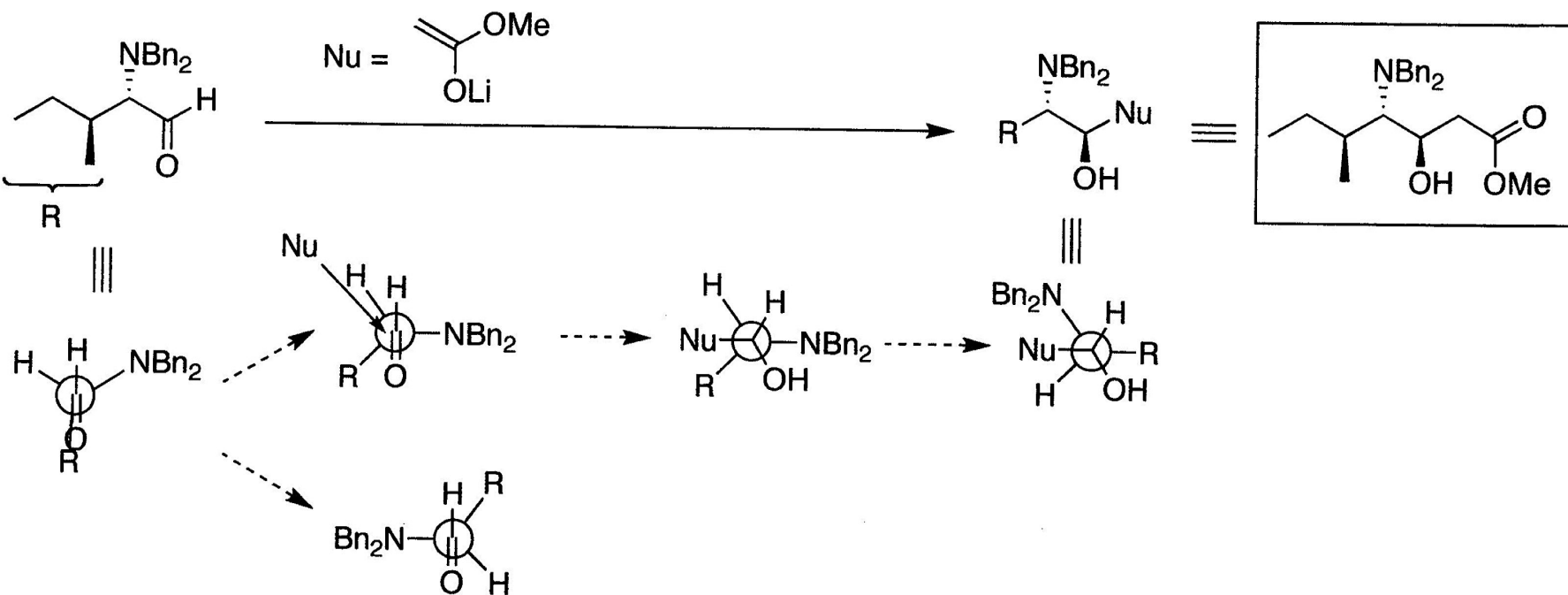
The most stable conformation will be attacked by the nucleophile from the least hindered trajectory. What trajectory...?

...remember Bürgi and Dunitz!



This is the easiest approach for the nucleophile

Electronegative α -substituents occupy the perpendicular position: example

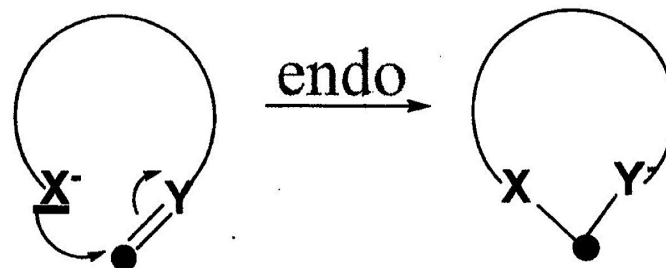


Homework: Check which product would have formed if you put "R" in the perpendicular position instead of NBn_2

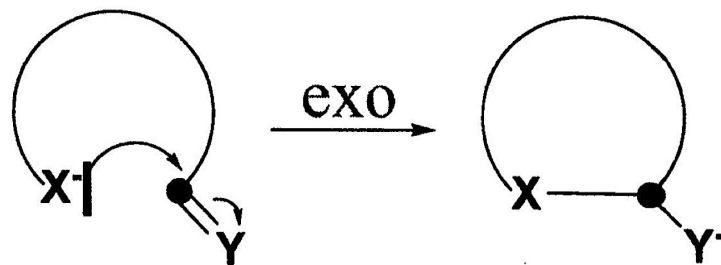
TERMINOLOGY AND RULES

Why endo or exo prefix?

➤ **Endo:** when the breaking bond is endocyclic.



➤ **Exo:** when the breaking bond is exocyclic.



TERMINOLOGY AND RULES

Numerical prefix and suffix?

- **Numerical prefix:** description of the ring size (3 to 7).
- **Suffix:** indicate the geometry of the carbon atom undergoing the ring closure reaction (**dig, trig, tet**).
 - **Digonal** for sp carbon,
 - **Trigonal** for sp^2 carbon,
 - **Tetrahedral** for sp^3 carbon.

