

# Organometallics Chemistry

## (CHEM-753)

### Online Lectures (OrganoB)

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# Periodic Table

*s*-Block metals

Group-I Group-II

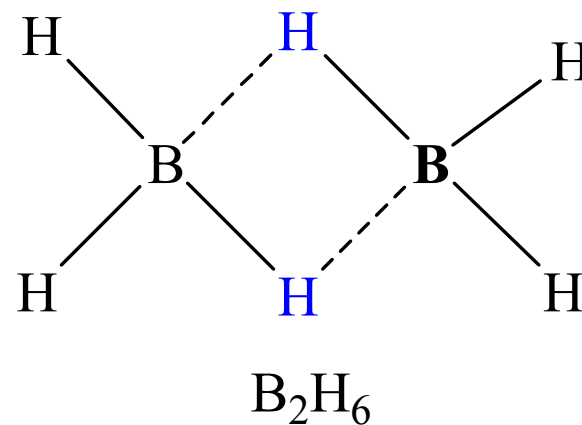
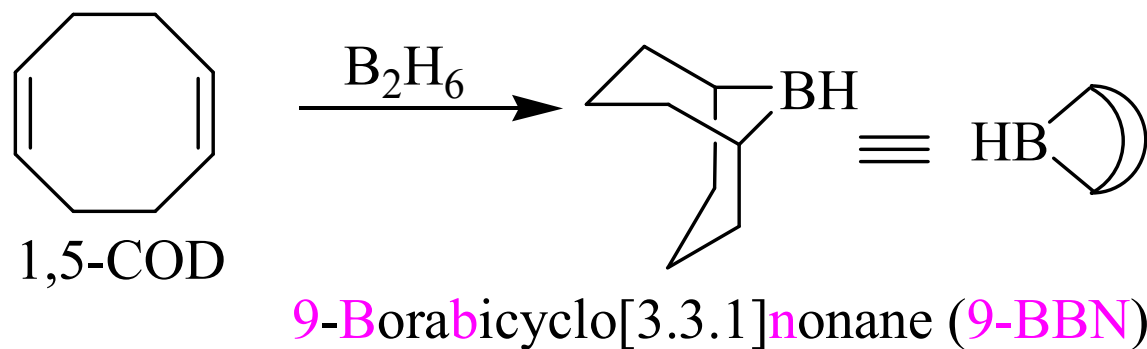
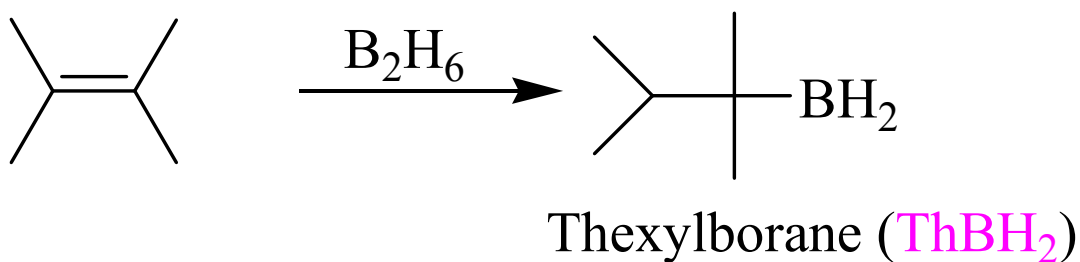
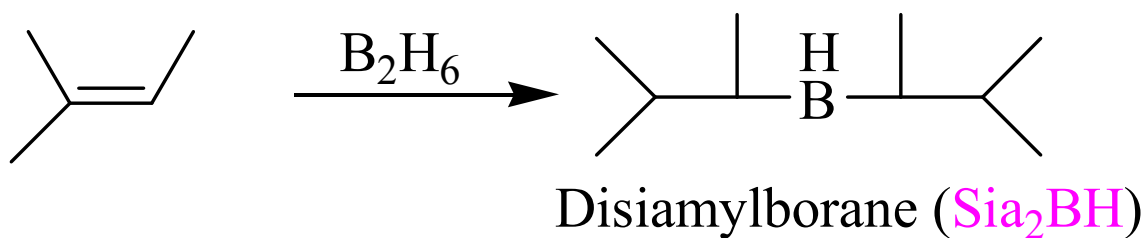
*d*-Block metals

*p*-Block Elements

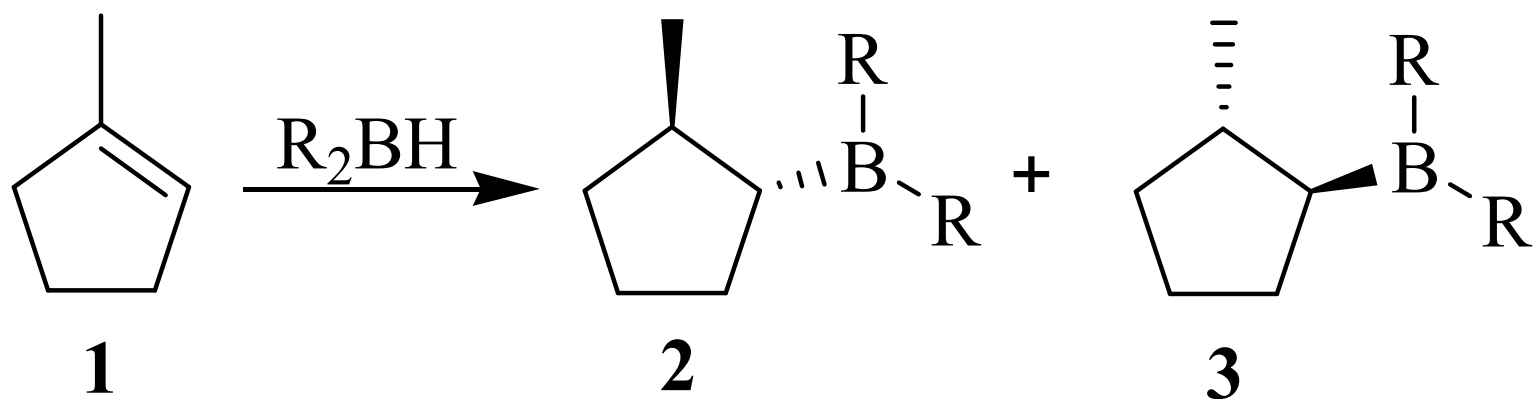
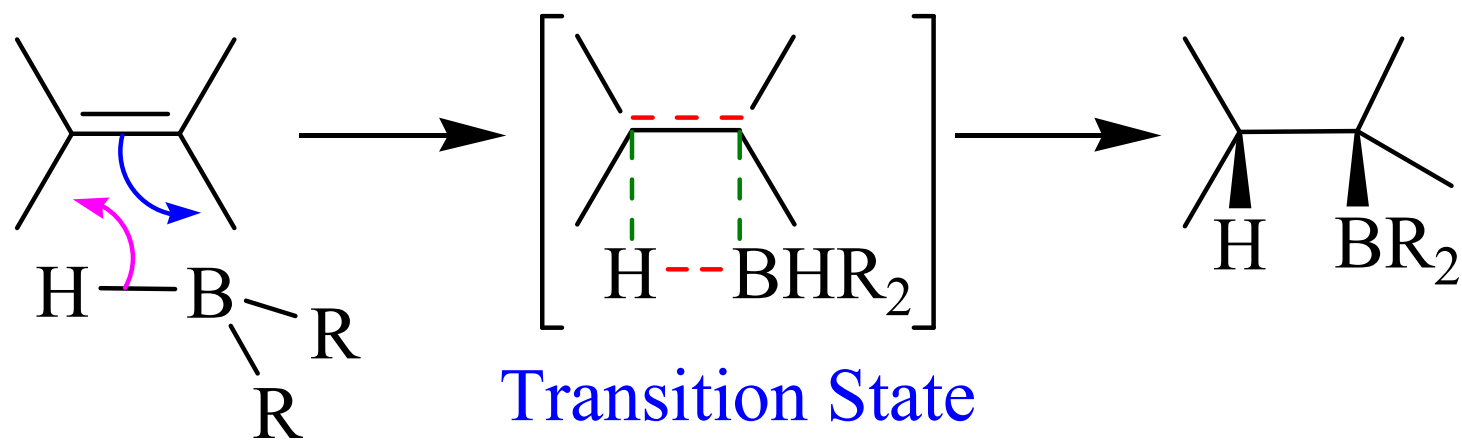
XIII XIV

H														
Li	Be											B	C	
Na	Mg											Al	Si	
		III	IV	V	VI	VII	VIII	IX	X	XI	XII			
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	
Fr	Ra													

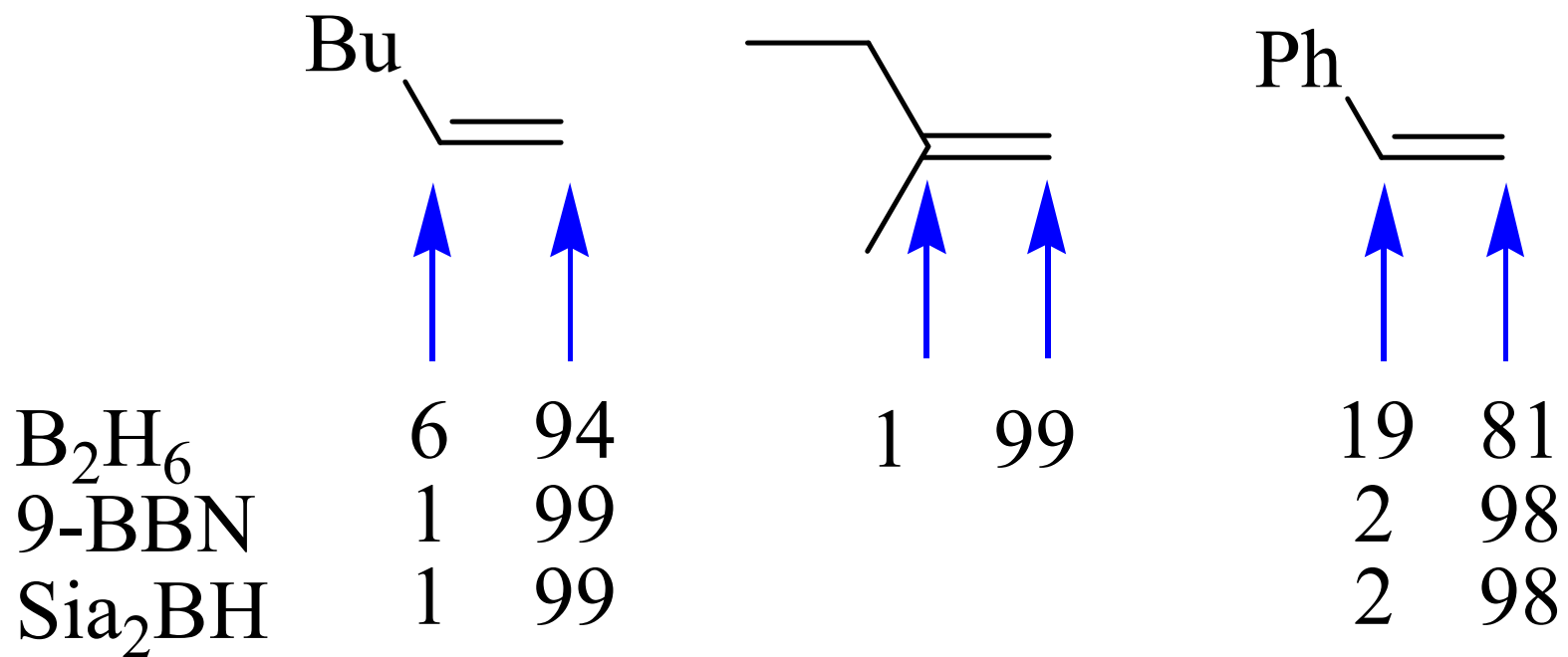
# Method of Preparation of OrganoB



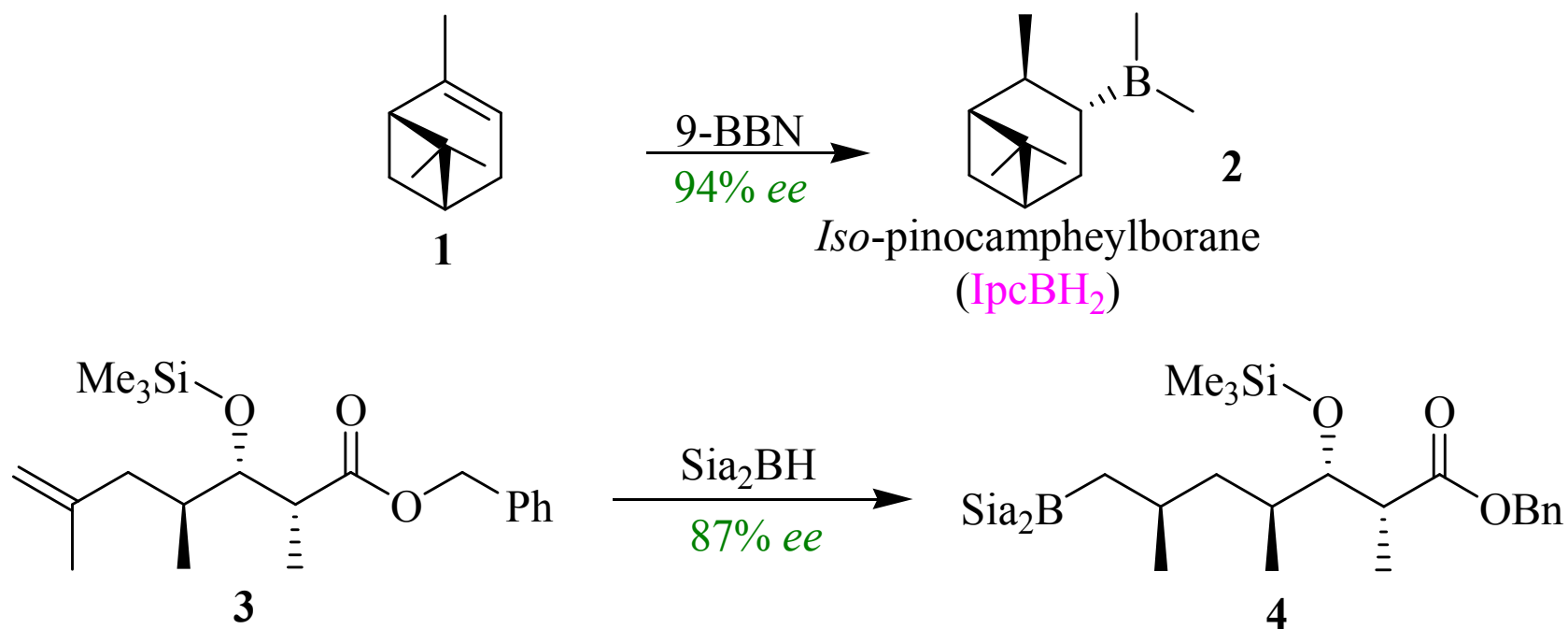
# Mechanism of Hydroboration



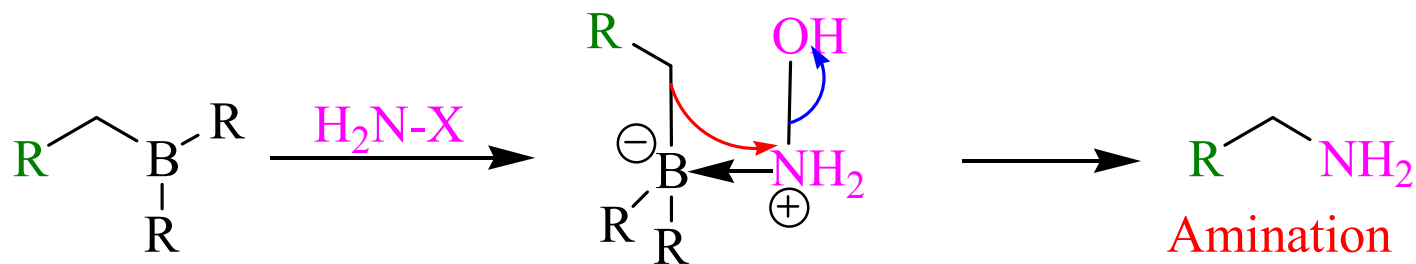
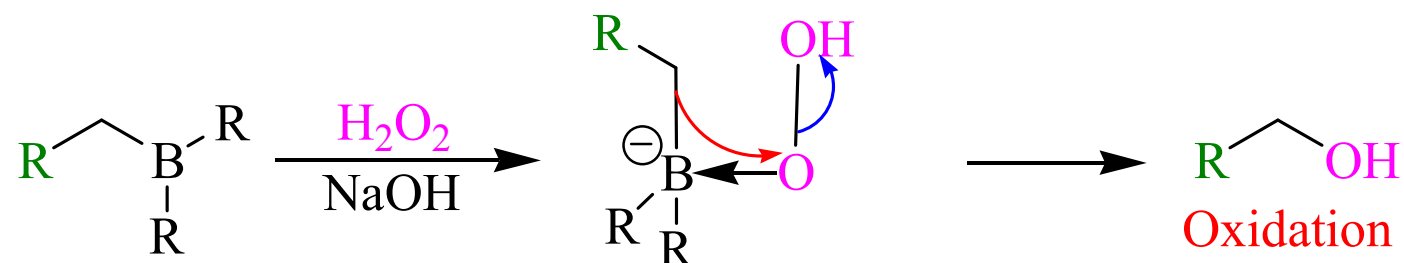
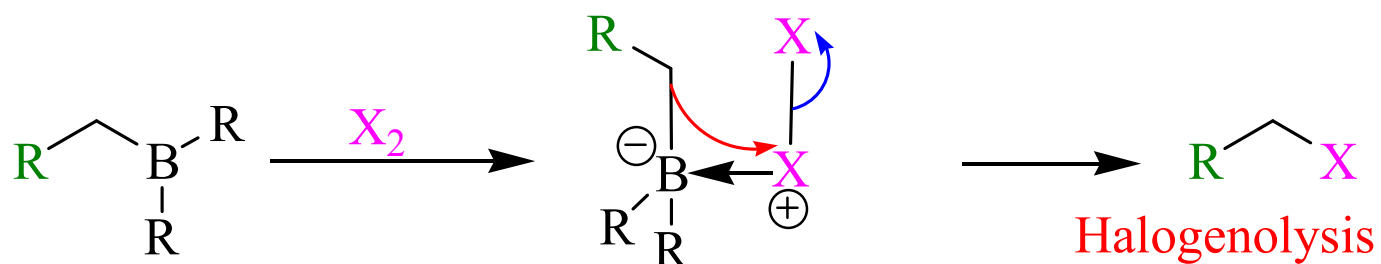
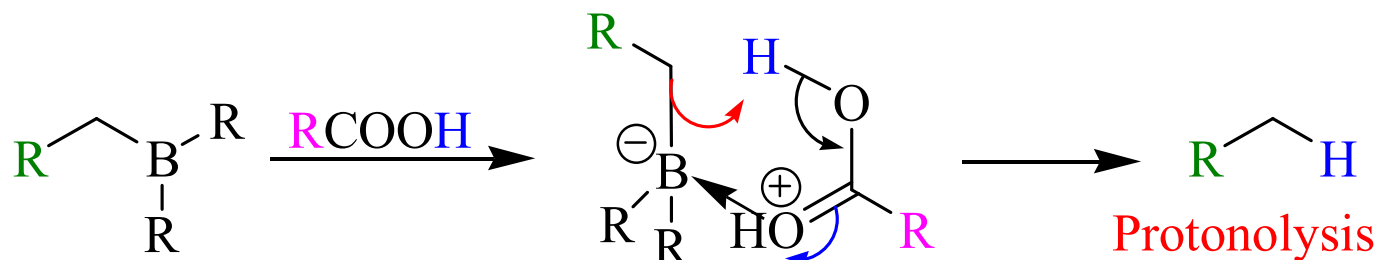
# Orientation



# Chiral Hydroboration



# Synthetic Applications



# Synthetic Applications

