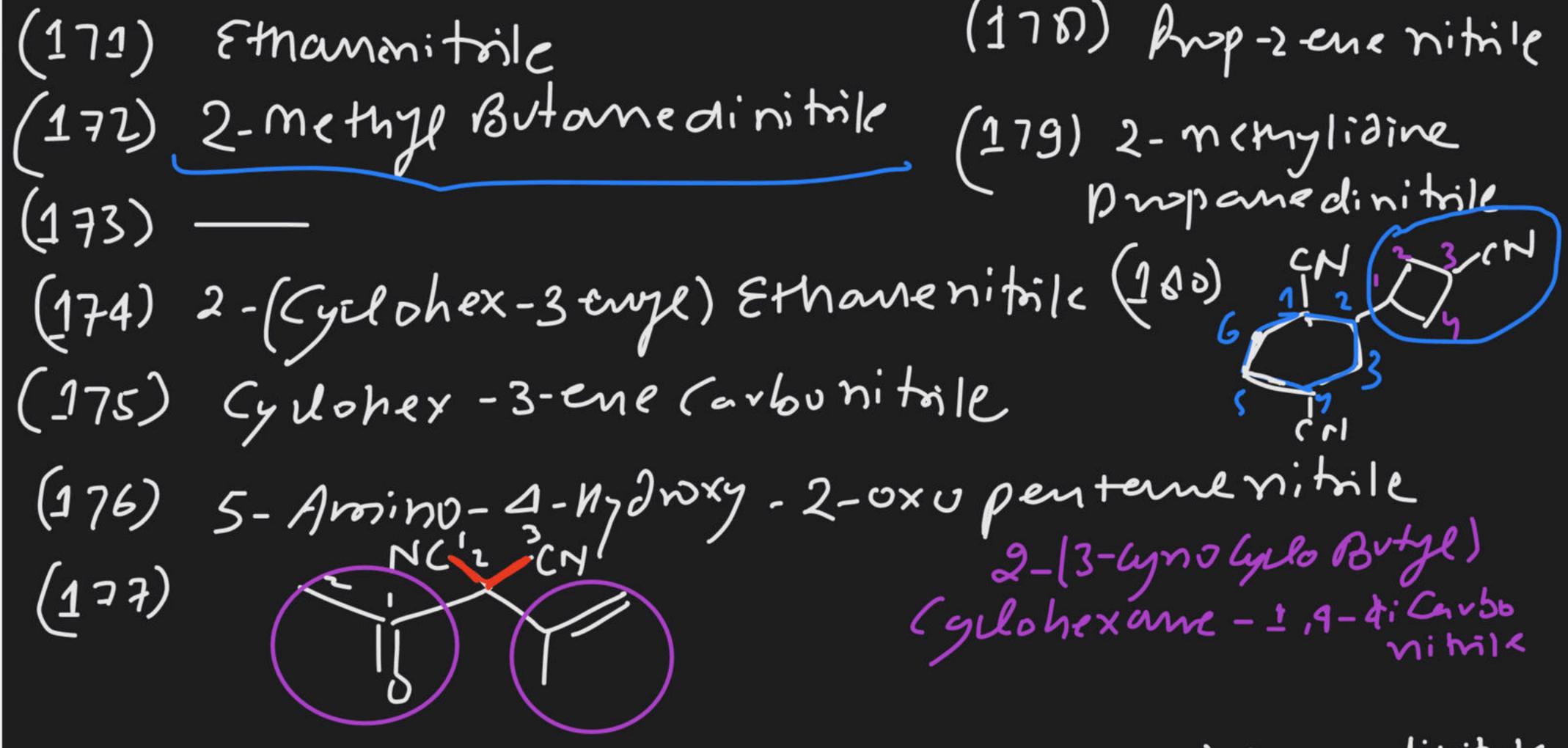
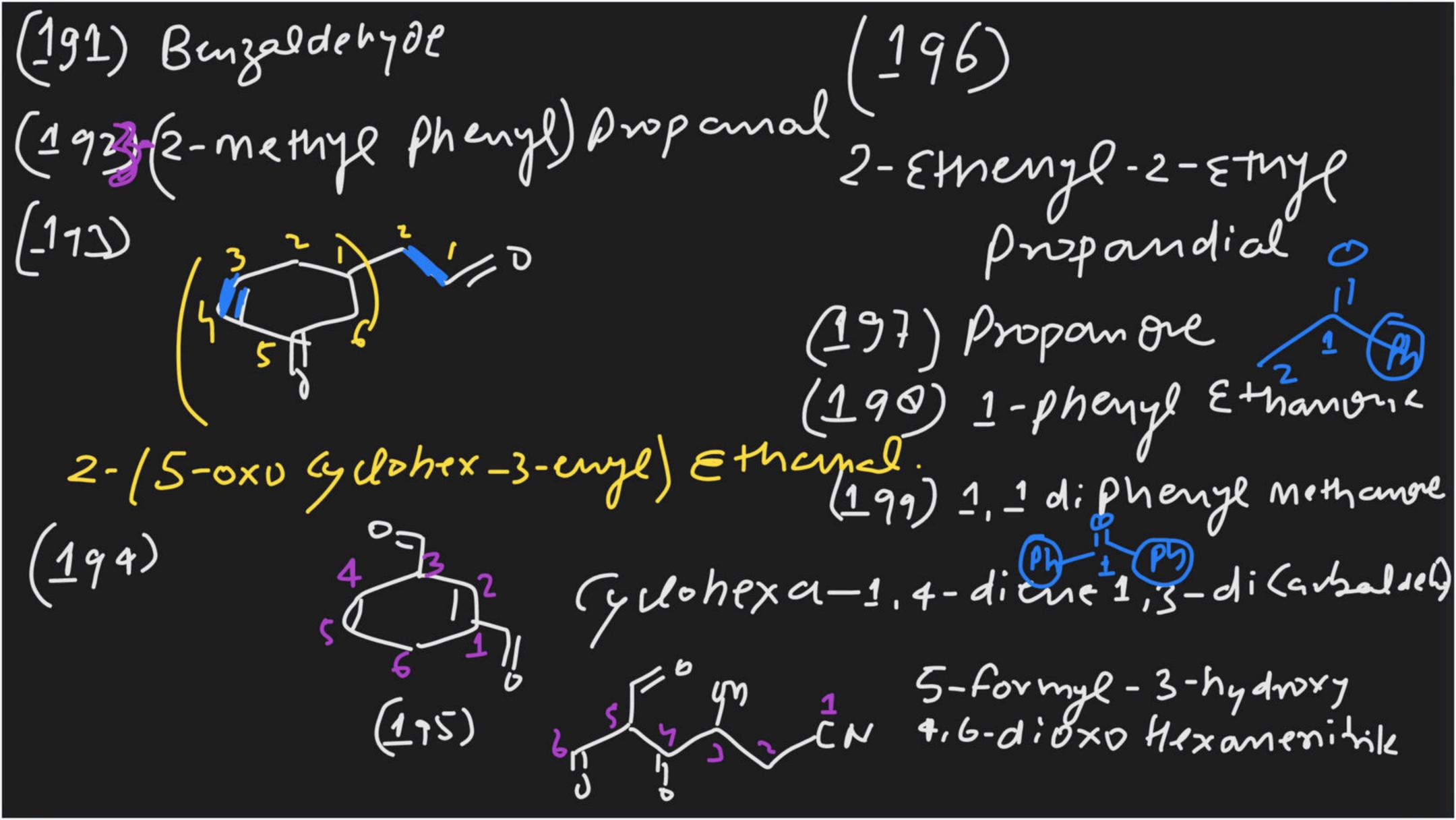


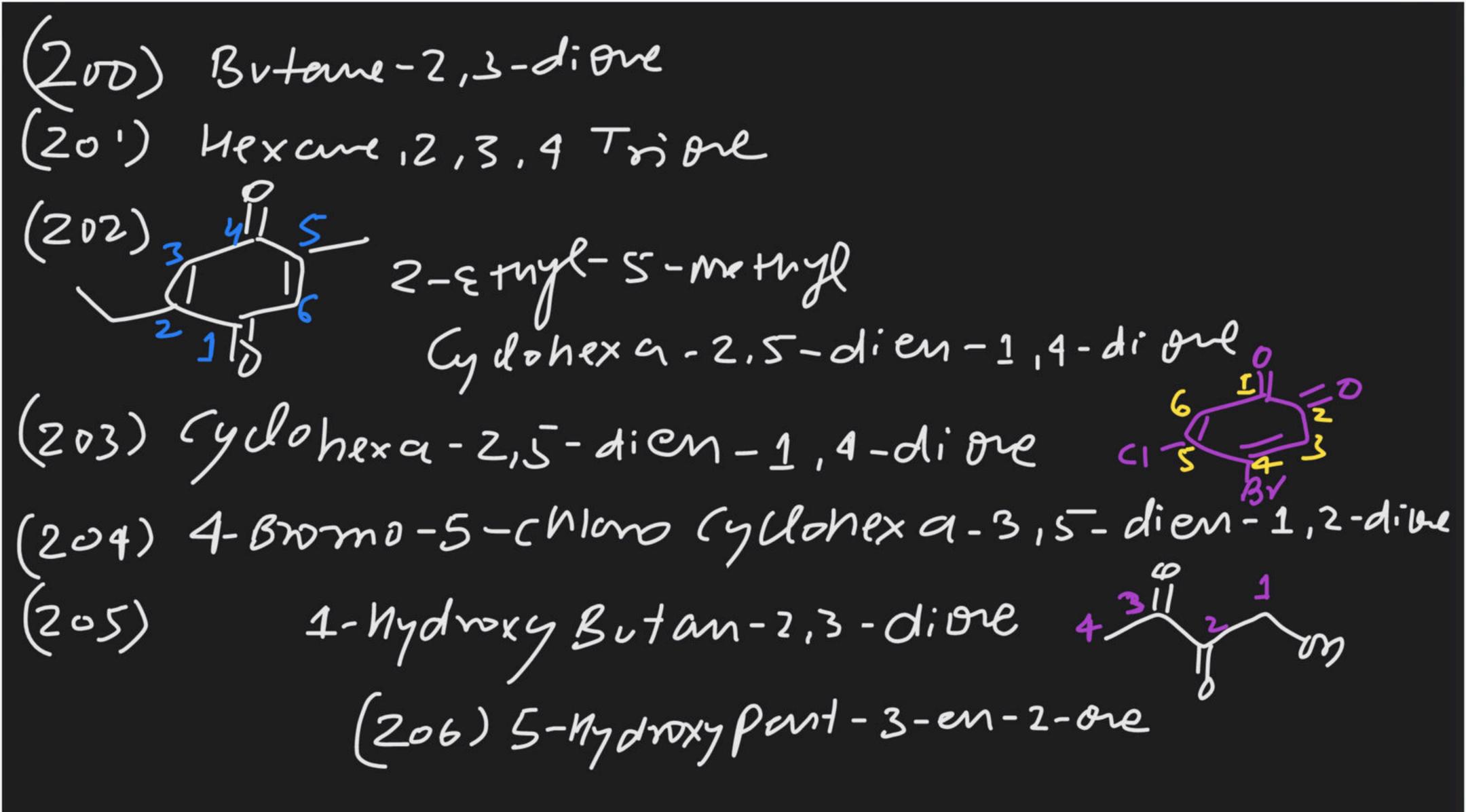
Course on General Organic Chemistry for Class XI



2-(1-Metyle Ethenyl)-2-(I-0x0 Emyl) Proponedinitale

(101)	4- Amino -3-Meth	gl Benzene Carbonitik - Benzonitik
(102)	41 5 BY 5,5-D	i Bromo (gclohex-2-ene-1,1,4
	methan 0	Tri Carbonitile.  (187) But-2-cmcl
(1014)	Ethomal	(100) 2-47 ANXy Benzere Controllary Benzaldehyde
(20)	Ethandial	(189) — De Rospandial
	(106) 3-0h	(100) 2-47 troxy Benzere Gabalday  (100) 2-47 troxy Benzere Gabalday  (190) 2-methyl Brop andial  engl Prop-2-enal





(207) Methanol (200) Ethanol (209) Ethan-1,2 diol (210) Ropom-1,2,3-Triol.

Copy duechios: 211-250

BB (51-75) (Chapter)

Sheat Ex- I

## G10C

Genseel Organic chemisty

- (1) Bond Breaking / Bond Cleavage / Bond Fision (2) Introduction of Reaction intermidiate (3) Electronic displacement in Covalent Bond (4) Tempony effect
- (5) Permment effect
- (6) Induction/ Inductive effect
- (7) Osbital Energy digram.

(8) Resonue. (9) Resonace effect/meso monic effect (10) Resonne L-herry (11) Resonating Str. drawing & stability (12) Myper Conjyalion (13) Myporcojuj whom effect (14) Avonatic, Non Aromatic & Anti Aromatic (15) Intermidiate Stubility (16) Acid 5 tm/th. (17) Basic Stristh

(30) Seprention of Binary mixtue (19) Solubility (20) Bayer's strain myle theory (21) Weat of Hydry ention (404) (22) Heat of Cambistian (1101) (23) SIR offerd (Steric inhibitation of Resonne) (24) Solvation effect (SEP) (25) Sizma Resonne (DaningResonne)

(26) (27) Bond layth (20) Bond stryth (29) Bond Enery. (30) Bond Rotational Linery Gamies.

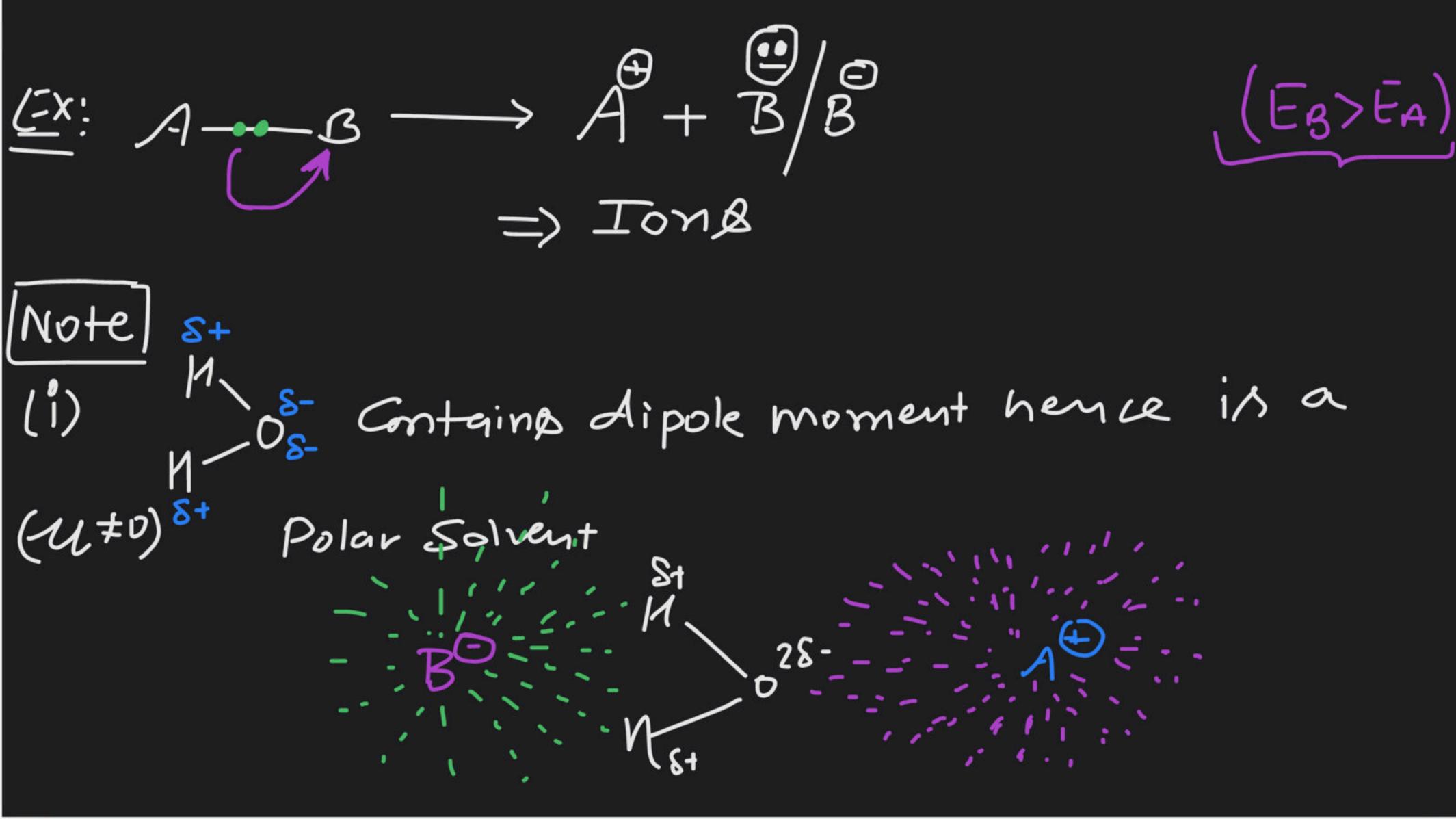
Let us Consider a Organic Reaction 1-B+C ----Bond breaking phenomenon.

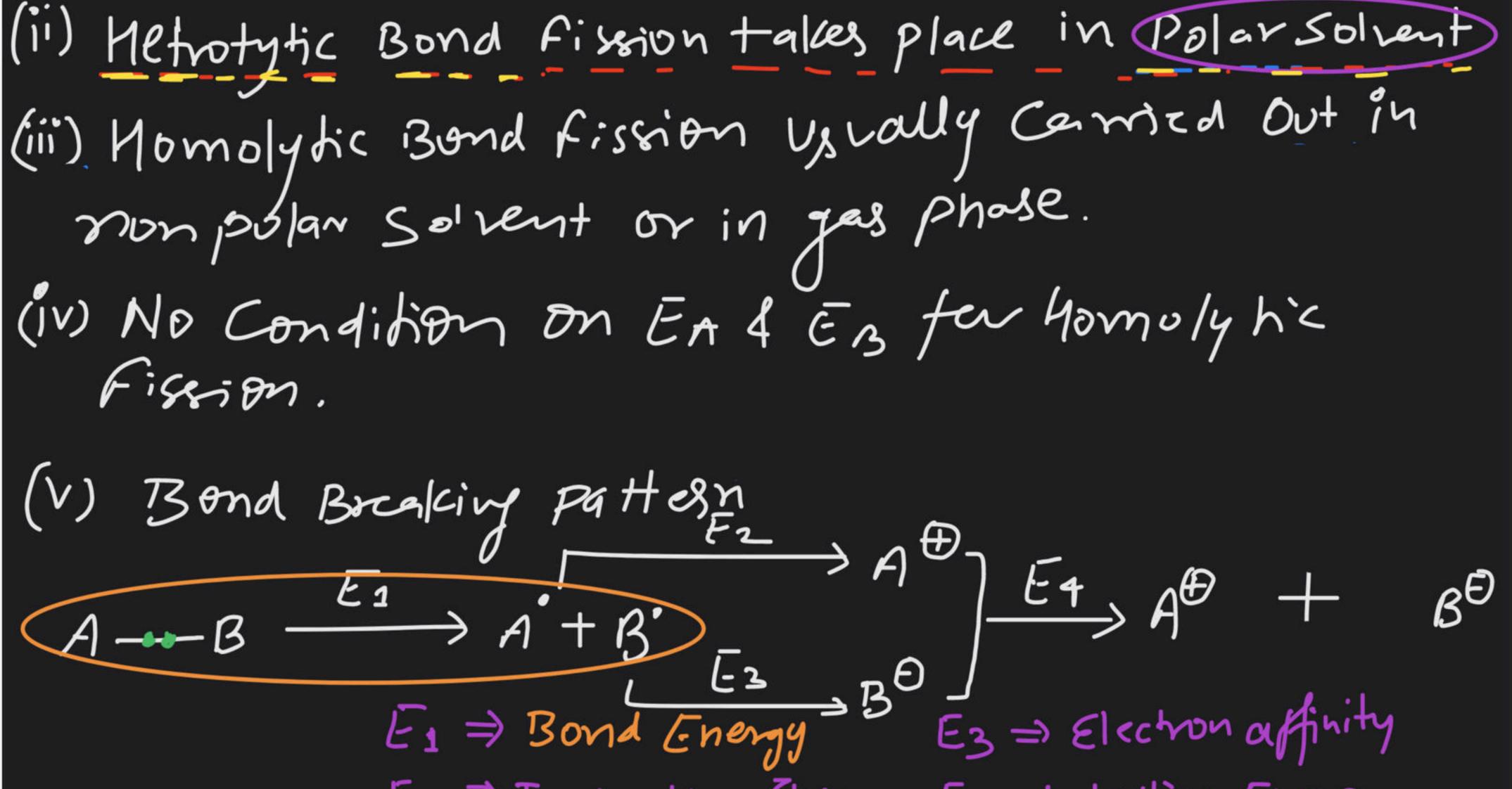
(BB)

Bond Breaking There are two methods of Bond Breaking during any Reachion.

(1) Nomolytic Bond Fission In Such Kind of Bond Breaking Bonding es equally distributed blu Bonding 9 tows so that Electrically neutral Reaction intermidiates for Radicals > A + B (No Cond on Ea fies) Ex: A B => Electrically Neutral => Fre Radical

(2) Hetrolytic Bond Fission In such Kind of Bond breefig Bonding electrons shift towards more electronepative atom so that 1808 are obtained as a Reaction intermidiate





Ez = Ionisation Enmy E ==> lattice Energy

(Vi) Bond Energy

=) Minimum amount of Energy rept to break a
Bond

