Chapter 3: The consonant of English language;

Distop consonants: /P, b, t, d, k, g/, [2] 1 2 2 3 10 4 1 5, 16 6 16 de manda tie dye adge sty mat mad kye guy a guy sky knack kag

h

pie > [PaI], tie > [taI], kye > [kaI]

U They are voiceless when voicless stop are beginning of words and they are followed by vowe ) we Add (as Pirtion) to them. Frample: two-s[fy], can-s [kæn], people s[pipd] 2-buy dye guy - voiced stops if we have this sounds at the beginning of any englis word (Phrase) and then we are Preced by voicless stolsthese sounds become devoiced (devoicing).

Example: bad guys, smart boys.

The acustics like The major difference between voicless and voiced (devoitile) dente the street subsidered the second

3 a buy, adye, a guy woiced

5 d bai - Fully voiced aspects. when these sounds preceded vowels - at vowels are voiced so we have voicing and the voicing continue.

Example i good boy -> grd boi Y spy, sky, sty. - svoicless and these sounds are

Preceded by consonant

spy - spat , sky - sikat , sty - stat - these are not

aspirated because the sound(s/ Precedelpitik) - s 2,4 pare closest in Pronounction 5 nap, mat , knack 6- nab, mad, hag nder unploded heb neb næP Stop sounds at the end of the word can be pladed or unplade y if defending on the speaker but meaning does not these sounds are preceded by vowels, if the vowel occurs before voicless stop > ndep so it is shorter than vowels which occurs before voiced andeb.

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-> unreleased surploded.

Syllabic: 1) vovels all the time syllabic = we cannot

com a syllable without a vowel (stddn) 2 syllables because we have 2 vouels. another Example: unreleased: 1.11 NATIST 135 syllables: 3 voyels

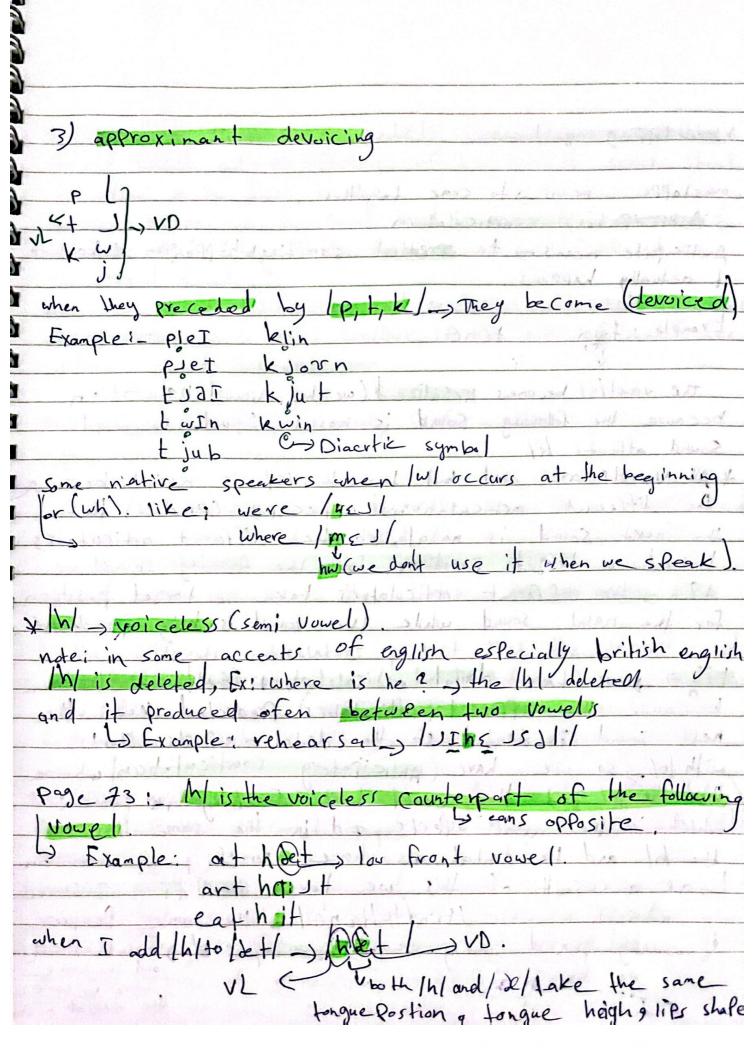
2) hasal sounds may or may not be syllabic defending
on the accent. if speakers released the stop sounds like + , d as in [KI to h low Isadon 1 > No syllabic hasals. Havever if they don't released the stop sounds as in [sidn] or [kitn] the hasal sounds are syllabic. Example: 02 Pdn maI -) 2 syllables orem mass unveleased so the mandin become Syllabic ) we used dia cratic symbol.[1] and syllabic means the hasal sounds occupies the position of a. as a result the air which is supposed to be released with 14/2 we delay the release and we released it with the hasal sounds \_ (masal plosion) nasal plosion - nears the plosion of sounds is released with nasal sounds

syllabic hasabs; when the hasal sounds occupies the Postion of preceding vovel. \* Homorganic articulation is when there are two Sounds with the same place of articulation Allowing each other,

Example: little / LIAI / [III] ? the stop sund are middle /mIAdl ) [midl] I followed by In / middl/ sue don't have delay plosson have a vowel (d) and the vowel have free air Passag However some hative speakers Produce these words [III], [mid] , we have a delay prosion be cause the It in little occupies the position of the d). so there is no shwa that requiers. Free air Passage we have a syllabically (lateral plosion) Lateral sounds may or may hot be syllabic depending on the accent [[It]] and [mid] , both of them are alveolar so we have (Homorganic articulation). + syllabic Consonant: Example: computer /kdmpjutd s/or [kdmpjutd] under / Midd ) / S [ And ) [kdmPjut J] and [And J] - have a delay plosion be cause Doccupies Prition of 2 and there is no [And 2] , we don't have Homorgenic articulation because the place of articulation of Idl is alregla and the place of articulation offel is retro flex \* retroflex may or may not syllabic depending on acc Another Example: 19 Stall or [93+ delay plosion and syllabicill. delay plosion.

12) Fricetive Sounds /f,v,O, 8, 5,2, 5,7, h/ FIV or SIZ 2) Both of them are obstruct = means that in the Production there is some kind of so we ostruct the air as we produce these Sounds, Ex: in the production of Ifl. 3) when fricative sounds are at the beginning of phrase like i very / vs Ji/ or, Exi right 200 at the beginning of phrase or when they preced 4) Pricative sounds are not fully voiced when the are at the end of phrase or when they Collowed =xi have two / hefter/ o the (u) becomes (P) (Devoiced) are longer before Voiced and vovels are longer before voiced by safe / seif/ > shorter than seir because it is voiceless save | SeIV ) voiced so his is longer.

occuring in the all fositions, but ly occur at the beginning of any english word ringer / JIyd ) before [M] are /I, de, 2, 1, a / his is not english word be cause / DI/ Ex: LoIn - this is not english doesn't Joc Cur before [1] 5) Approximents: 1) 194 ds // 2) gudes / w, j/ in the production , this why we called them 2) liquids and glides are voiced, expect his voicless Sounds can be syllabic and reteroflex kinds of 11/2 clear/light ( ) At the beginning of words, Ex: light )/[0] by At the end of words, Ex. Feel > [ y /LaI + and [fil] -) they are allophores, of the same sound.



+ over lapping gestures ! overlappe means ) to come together. -> AnticiPatory coarticulation predict someting to happen -Anticpate means -> to it actually hopens The vowe/4/ becomes masalized (we have vowel because the following sound is hasal sound as so hasal \* All vowels are oval but tanythe K/ is nasal because the different ourticulations anticcipate (predict) that the next sound is nasal, so the different articulary taked a target position for the flowing sound It's the different articulators take a target position for the nesal sound while the vowel is being produced. teno , we have dontal articulation trove hasalization. because the different articulators Predicted in the next sound is dental so the dental aspects starts with In/ so we have (Anticipatory Coarticulation) where the the In/ and the vowel have something in which is the nasal aspects ; and in the same the h1 and the dental also have something in common by as a result of this we have every apping gestures so in such a case ) /ten o/ in the same is usually shared two sounds, so in/ten of and the same time we have

in ten > the first sound predicts the features of the Second sound and the features of the second sound start to appear on the first sound So the features on the hasal sound is umpused in the vowel and the features of the dental sounds are umpused the hazal sounds. As a result of Anticipatory and overlapping we get coarticulation of the different sounds becomes o another Example of Anticipatory Coarticulation: rounded sound but the vowel [4] fore we started produced the word (dy 1) the lips becomes rounded, so the features are imposed on the first , the ld/ be one s y the differents articulators product that the second sound which is lul is rounded, so the roundness is imposed on the Id ) we have (anticiptory coarticulation). and the altimate result we have over lapping gestures overlapping gestures ) when the same the different sounds T/k/ > is not rounded clued klu so here the kl and ll bocome rounded because they are followed by rounded sound /4 and the Features of voundness which is 14/ imposed on the 1/k/ I at the end we have coarticulation,

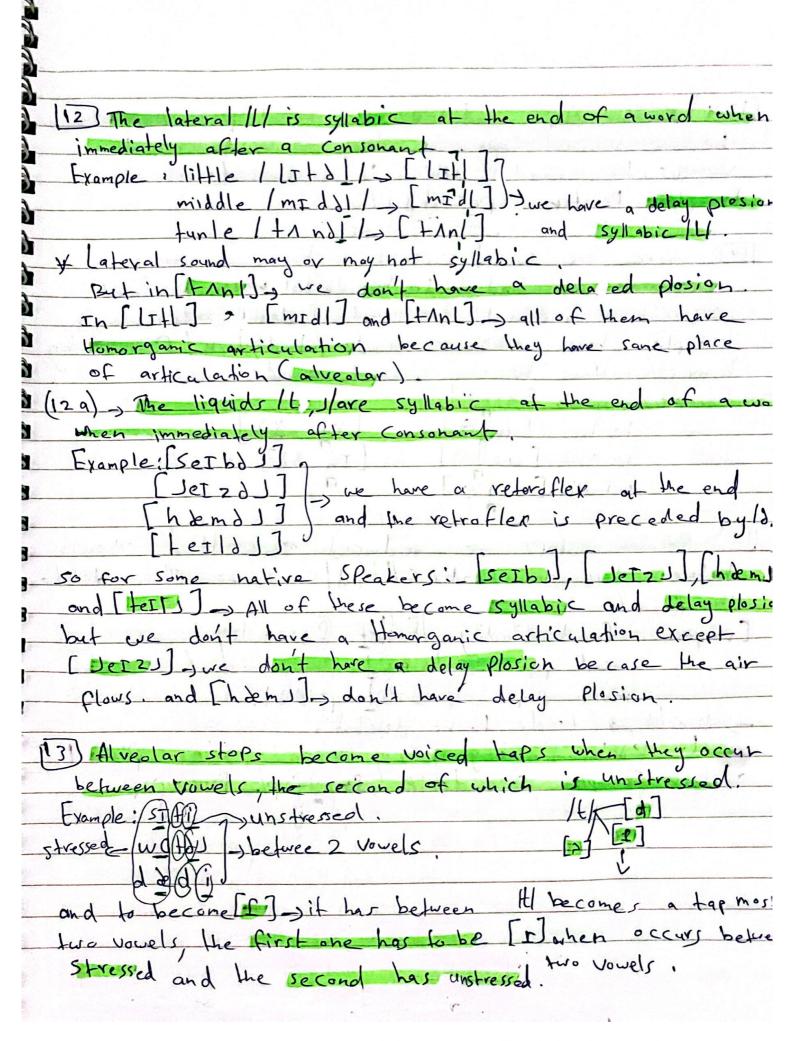
Another Example: blue 3/b/9/ so the 16/ and 11/ are not rounded but they become (rounded). because they are s when we talk about Coarticulation one talk (assimilation pulsere the same features is imposed on different sounds in the word , play / pleI/, we don't have anticiptory, articulation because the IPI affected the second not the opposite + English consonent AlloPhones: page 76. I Consonant are longer when at the end of a phrase: initial and followed by a vowel Example: per /PEnla tan / Hen/ shey are initial and followed by von 3) obstruents (stops, fricatives and affricates) classified a voiced 1 b, d, g, v, 8, 2, 3 / are voiced through onl a small part of the articulation when they occur a the end of an utterance or before a vaicless round. Example: Add two: &d fy ) bet fu ( the Idl be comes It because of assimlation.

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or another Grample: her (fid ) haef (fi) when syllable initial are Preceded by Another voiced sound

(8) The gestures for consecutive stops overlap so that stops are unexploded when they occur before another stop in words such as: get / best and rubbed / JAbil we delay the plosion by (unploded / leased stop) when we don't release the sto. IT In many accents of English, syllable finally, t, k/
are accompanied by an overlapping glottal stop gesture
as in pronounciation of tip, pit, kick as [tipp,pipt,
kipk ] is we add the [r] before them and use(). stop when it occurs before an alrealar hasal in the same word as in bedfen [bi?n] [27-) the /H becomes[2] more than [d] or []. f we have a nasal sound in the same word, a nasal sound of in such a case the lt/ tends to be Change to [7] [KIRdn] and [biph Mosals are syllabic at the end of word when Immediately after an obstruent as in siton sall of these have hasal sound at the JItan Intends to accupies the position of lot to become [S[kIIn], [shan] bi In] - we have unploded stop and and plosion + Homorganic articulation.

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alveolar hasal plus

of A homorganic volceless stop may occur after a nasal before a voiceless fricative followed by an unstressed vowel in the same word. example: dance / ddens / ]

something Is Am@Iy / > nasal sounds followed by

youngster / j Ay St & 1 / ) voiceless fricative

Epen Hesis means Addition (when we add a sound). + some hative speakers tend to add (Voiceless Stop) e voiceless stop must have the same place of articulation as the hasal. major labiely so we have to add voiceless alreaday stop.

major labiely so we have to add voiceless bilebial stop /p/ ltl.

major velar, we have to add voiceless velar stop lk/ s dents, samposy, jaykstad ) this voiceless stop ust form a homorganic articulation and this addition called (epenthesis). Framples: hard day / ho Jal Ope I when it is before an Examples: hard day / ho Jal Ope I whe first is shorter top post / top porst / than the second.

dark Rat / do! Jal Ret / 3) velor stops are more front before front nowel The fronts vowel / i I & de, eI/ when the front vowe is occur before velar sounds the back vovels become (more front). Example: Role + 95+, front - the K and g (become more front back front back

19) The lateral Ill is relarized when	after a vone
or before a consonant at the en	
Juhan It/ at the end of a word or	
: Consonant or after vowel.	- Cook + Stephen
Example: file [fatt]	and the same
field [fit@]	- 24 - 6-d/5 b
The opposite of velocized Ill is a cle	arllight III.
and clear/light Ill occur when I at the	beginning of word
2) between two tront vowel	
Example: light [] ait]	· Lacon and A
kill it [k_th] +	and some M
19 19 at 1 weld to be of ever in i	- level-land
Diacritics: 1 voiceless Approximants; kJaI, kwin	111 141
1- voiceless Approximants; kJaI, Kwin	, + Jub, Klin
2 Asprition Pain, tu, hkIl	IN DE
3 Dental: ting, well , In &d 4 velarized if alt, fild	- H - Market Transport
4 relacized it alt / fild	الما الم
9 velarized : filt, filt, supam. 5 syllabic: SAddn, IItdl, supam.	JAAN, 18+1
6 Nasalized: moen, sty bend	1
and the second s	1
The state of the s	pran - Marin -
	7 9 1
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A A A
The state of the s	
and the second of the second o	
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	11 12 12 20
policy to put the and the	<u> </u>
	was a second