

## **LIST 1: voiced dental fricative vs. voiceless alveolar fricative**

- 1 then\$ðɛn den\$dɛn
- 2 thy\$ðaɪ die\$dɑɪ
- 3 thee\$ði Dee\$di
- 4 there\$ðeər dare\$dɛr
- 5 they'll\$ðeɪl dale\$deɪl
- 6 breathe\$brið breed\$brid
- 7 breather\$'briðər breeder\$'bridər
- 8 heather\$'heðər header\$'hɛdər
- 9 worthy\$'wɜrði wordy\$'wɜrdi
- 10 bathe\$beɪð bade\$beɪd
- 11 Hythe\$Hythe hide\$hɑɪd
- 12 lathe\$leɪð laid\$leɪd
- 13 loathe\$louð load\$loud
- 14 seethe\$sið seed\$sid
- 15 scythe\$siθ side\$sɑɪd
- 16 wreathe\$wreathe reed\$rid
- 17 soothe\$suð sued\$sud

## LIST 2: ɑ: vs. æ

- 1 Bach\$ba:k back\$bæk
- 2 block\$bla:k black\$blæk
- 3 sock\$sa:k sack\$sæk
- 4 nog\$na:g nag\$næg
- 5 hot\$ha:t hat\$hæt
- 6 rock\$ra:k rack\$ræk
- 7 top\$ta:p tap\$tæp
- 8 blonde\$bla:nd bland\$blænd
- 9 Stomp\$sta:mp stamp\$stæmp
- 10 trod\$tra:d trad\$træd
- 11 croc\$kra:k ad\$æd
- 12 phlox\$fla:ks Lac\$læk

### **LIST 3: voiceless alveolar plosive vs. voiced alveolar plosive**

- 1 ten\$ten den\$dən
- 2 tip\$tip dip\$dɪp
- 3 town\$taʊn down\$daʊn
- 4 team\$tim deem\$dim
- 5 tier\$tɪr dear\$dɪr
- 6 try\$traɪ dry\$draɪ
- 7 trip\$trɪp drip\$dɪp
- 8 true\$tru drew\$dru
- 9 latter\$'lætər ladder\$'lædər
- 10 bitter\$'bɪtər bidder\$'bɪdər
- 11 whiter\$'waɪtər wider\$'waɪdər
- 12 hearty\$'hɑrti hardy\$'hɑrdi
- 13 catty\$'kæti caddy\$'kædi
- 14 Pattie\$'pæti Paddy\$'pædi
- 15 cites\$sɑɪts sides\$sɑɪdz
- 16 putting\$'pʊtɪŋ pudding\$'pʊdɪŋ
- 17 paint\$peɪnt pained\$peɪnd
- 18 state\$steɪt stayed\$steɪd
- 19 set\$sɛt said\$sɛd
- 20 bent\$bɛnt bend\$bɛnd
- 21 Crete\$kreɪt creed\$kreɪd

**LIST 4: voiced velar nasal vs. (voiced) velar nasal followed by voiceless velar plosive**

- 1 thing\$θɪŋ think\$θɪŋk
- 2 sing\$sɪŋ sink\$sɪŋk
- 3 sung\$sʌŋ sunk\$sʌŋk
- 4 singer\$'sɪŋər sinker\$'sɪŋkər
- 5 singing\$'sɪŋɪŋ sinking\$'sɪŋkɪŋ
- 6 ring\$rɪŋ rink\$rɪŋk
- 7 rang\$ræŋ rank\$ræŋk
- 8 king\$kɪŋ kink\$kɪŋk
- 9 bang\$bæŋ bank\$bæŋk
- 10 banging\$'bæŋɪŋ banking\$'bæŋkɪŋ
- 11 wing\$wɪŋ wink\$wɪŋk
- 12 bring\$brɪŋ brink\$brɪŋk
- 13 hung\$hʌŋ hunk\$hʌŋk
- 14 bung\$bʌŋ bunk\$bʌŋk
- 15 cling\$klɪŋ clink\$klɪŋk
- 16 dung\$dʌŋ dunk\$dʌŋk
- 17 tang\$tæŋ tank\$tæŋk
- 18 sling\$slɪŋ slink\$slɪŋk
- 19 sting\$stɪŋ stink\$stɪŋk
- 20 stang\$stæŋ stank\$stæŋk

## **LIST 5: voiceless bilabial plosive vs. voiced bilabial plosive**

- 1 pin\$pin bin\$bin
- 2 pea\$pi bee\$bi
- 3 pat\$paet bat\$bæt
- 4 pill\$piI bill\$bI
- 5 pig\$piɣ big\$bɣ
- 6 peach\$piʃ beach\$biʃ
- 7 pump\$ʁʌmp bump\$bʌmp
- 8 path\$paθ bath\$bæθ
- 9 plank\$plæŋk blank\$blæŋk
- 10 pride\$praɪd bride\$braɪd
- 11 staple\$'steɪpəl stable\$'steɪbəl
- 12 rapid\$'ræpəd rabid\$'ræbɪd
- 13 rupee\$ru'pi ruby\$'rubi
- 14 cop\$kaɪp cob\$kaɪb
- 15 cap\$kaɪp cab\$kaɪb
- 16 rope\$roʊp robe\$roʊb
- 17 tripe\$traɪp tribe\$traɪb
- 18 crap\$kræp crab\$kræb

## **LIST 6: voiceless velar plosive vs. voiced velar plosive**

- 1 coal\$koʊl goal\$goʊl
- 2 coat\$koʊt goat\$goʊt
- 3 course\$kɔːrs gorse\$gorse
- 4 cap\$keɪp gap\$geɪp
- 5 come\$kʌm gum\$gʌm
- 6 core\$koːr gore\$goːr
- 7 kill\$kiːl gill\$giːl
- 8 curl\$kɜːl girl\$gɜːl
- 9 Kate\$keɪt gate\$geɪt
- 10 cold\$koʊld gold\$goʊld
- 11 kilt\$kiːlt guilt\$giːlt
- 12 nickel\$'niːkəl niggles'nɪɡl
- 13 decree\$dɪ'kri degree\$dɪ'gri
- 14 archive\$'ɑːrˌkaɪv Argive\$'ɑːrˌgaɪv
- 15 bicker\$'bɪkər bigger\$'bɪgər
- 16 picky\$'pɪki piggy\$'pɪgi
- 17 pick\$piːk pig\$piːg
- 18 Dick\$diːk dig\$diːg
- 19 lock\$lɒk log\$lɒg
- 20 dock\$dɒk dog\$dɒg
- 21 duck\$dʌk dug\$dʌg

## **LIST 7: voiceless labio-dental fricative vs. voiced labio-dental fricative**

- 1 fan\$fæn van\$væn
- 2 fine\$fain vine\$vain
- 3 fear\$fɪr veer\$vir
- 4 fault\$fɔlt vault\$volt
- 5 feign\$feɪn vane\$veɪn
- 6 fairy\$'fɛri vary\$'vɛri
- 7 few\$fju view\$vju
- 8 fat\$fæt vat\$væt
- 9 fast\$fæst vast\$væst
- 10 wife\$waɪf wive\$wɪv
- 11 calf\$kæf carve\$karv
- 12 duff\$dʌf dove\$dʌv
- 13 surf\$sɜrf serve\$sɜrv
- 14 half\$hæf halve\$hæv
- 15 leaf\$lɪf leave\$liv
- 16 Fife\$faɪf five\$faɪv
- 17 Ref\$rɛf Rev\$rɛv
- 18 safe\$sɛrf save\$sɛrv
- 19 thief\$θɪf thief\$θɪv

### **LIST 8: e vs. æ**

- 1 sec\$sek sac\$sæk
- 2 Ben\$ben ban\$bæn
- 3 set\$set sat\$sæt
- 4 ten\$ten tan\$tæn
- 5 lend\$lend land\$lænd
- 6 men\$men man\$mæn
- 7 send\$send sand\$sænd
- 8 blessed\$blest blast\$blæst
- 9 lex\$leks Lacks\$læks
- 10 beck\$bek back\$bæk
- 11 fed\$fed Lacks\$læks
- 12 less\$les fan\$fæn



### LIST 9: æ vs. ʌ

1 damn\$dæm dumb\$dʌm

2 sac\$sæk suck\$sʌk

3 glam\$glæm glum\$glʌm

4 back\$bæk buck\$bʌk

5 cat\$ket cut\$kt

6 flax\$flæks flux\$flʌks

7 pan\$pæn pun\$pn

8 fan\$fæn fun\$fʌn

9 Sam\$sæm some\$sʌm

10 slam\$slæm slum\$slʌm

11 fact\$fækt up\$ʌp

12 San\$sæn luck\$lʌk

**LIST 10: i vs. i:**

1 fist\$frst feast\$fi:st

2 fit\$frt feet\$fi:t

3 it\$It eat\$It:t

4 lick\$lik leak\$li:k

5 sit\$st seat\$si:t

6 bit\$brt beat\$bi:t

7 chip\$tfip cheap\$tfi:p

8 did\$dId deed\$di:d

9 Lynn\$lin lean\$li:n

10 wit\$wIt wheat\$wi:t

11 is\$iz Gene\$dzi:n

12 twit\$twIt Heat\$hi:t

### **LIST 11: voiced alveolar nasal vs. voiced velar nasal**

- 1 thin\$θɪn thing\$θɪŋ
- 2 run\$rʌn rung\$rʌŋ
- 3 ran\$ræn rang\$ræŋ
- 4 din\$dɪn ding\$dɪŋ
- 5 Dan\$dæn dang\$dæŋ
- 6 Don\$dan dong\$dɒŋ
- 7 pin\$pi:n ping\$pi:ŋ
- 8 Lynne\$lin ling\$li:ŋ
- 9 win\$wi:n wing\$wi:ŋ
- 10 ton\$tʌn tongue\$tʌŋ
- 11 kin\$ki:n king\$ki:ŋ
- 12 tan\$tæn tang\$tæŋ
- 13 sin\$si:n sing\$si:ŋ
- 14 sinning\$'si:nɪŋ singing\$'si:ŋɪŋ
- 15 sinner\$'si:nər singer\$'si:ŋər
- 16 son\$sʌn sung\$sʌŋ
- 17 winner\$'wi:nər winger\$'wi:ŋər
- 18 banning\$'bæ:niŋ banging\$'bæ:ŋɪŋ
- 19 pan\$pæn pang\$pæŋ
- 20 bun\$bʌn bung\$bʌŋ

## **LIST 12: voiceless palato-alveolar affricate vs. voiced palato-alveolar affricate**

- 1 cheap\$ʧɪp jeep\$ʤɪp
- 2 choke\$ʧəʊk joke\$ʤəʊk
- 3 chin\$ʧɪn gin\$ʤɪn
- 4 chain\$ʧeɪn Jane\$ʤeɪn
- 5 cheer\$ʧɪr jeer\$ʤɪr
- 6 cheers\$ʧɪrz jeers\$ʤɪrz
- 7 cheering\$ʧɪrɪŋ jeering\$ʤɪrɪŋ
- 8 char\$ʧɑr jar\$ʤɑr
- 9 choose\$ʧuːz Jews\$ʤuːz
- 10 choc\$ʧɒk Jock\$ʤɒk
- 11 cherry\$ʧɛrɪ Jerry\$ʤɛrɪ
- 12 chill\$ʧɪl Jill\$ʤɪl
- 13 chump\$ʧʌmp jump\$ʤʌmp
- 14 chest\$ʧɛst jest\$ʤɛst
- 15 batch\$bætʃ badge\$bædʒ
- 16 etch\$etʃ edge\$edʒ
- 17 larch\$lɑrʃ large\$lɑrʒ
- 18 match\$mætʃ Madge\$mædʒ
- 19 watch\$wɒtʃ wodge\$wɒdʒ
- 20 rich\$rɪʃ ridge\$rɪdʒ

**LIST 13: No intial 'h' (avoid adding the sound)**

1 had\$hæd add\$æd

2 hair\$her air\$er

3 heart\$hart art\$art

4 heat\$hit eat\$it

5 hedge\$hɛdʒ edge\$ɛdʒ

6 heal\$hil eel\$il

7 hate\$heit eight\$ert

8 high\$hai eye\$ar

9 hold\$ould old\$ould

10 his\$hɪz is\$ɪz

**LIST 14: voiced palato-alveolar affricate vs. palatal unrounded semi-vowel**

- 1 jet\$dʒet yet\$jet
- 2 juice\$dʒus use\$juz
- 3 job\$dʒab yob\$yob
- 4 jot\$dʒat yacht\$jat
- 5 jeer\$dʒɪr year\$jɪr
- 6 jaw\$dʒɔ your\$jʊər
- 7 jaws\$dʒɔz yours\$jɜrz
- 8 Jack\$dʒæk yak\$jæk
- 9 joke\$dʒoʊk yolk\$jouk
- 10 jam\$dʒæm yam\$jæm
- 11 jarred\$dʒard yard\$jard
- 12 Jews\$dʒuz use\$juz
- 13 gel\$dʒel yell\$jel
- 14 John\$dʒan yon\$jan

### **LIST 15: i vs. e**

- 1 Bliss\$blis bless\$bles
- 2 Nick\$nik neck\$nek
- 3 sick\$sik sec\$sek
- 4 sit\$sit set\$set
- 5 built\$bilt belt\$belt
- 6 chick\$tik check\$tek
- 7 since\$sins sense\$sens
- 8 bill\$bil Bell\$bel
- 9 lit\$lit let\$let
- 10 tick\$tik Tech\$tek
- 11 did\$did wet\$wet
- 12 disc\$disk rest\$rest

## **LIST 16: sock vs. suck (Special list)**

- 1 sock\$ʒək suck\$ʒək
- 2 dunce\$dʌns dance\$dæns
- 3 mess\$mɛs mass\$mæs
- 4 curse\$kɜrs course\$kɜrs
- 5 were\$wɜr where\$wɛr
- 6 will\$wɪl wheel\$wɪl
- 7 soot\$ʒʊt suit\$ʒʊt
- 8 don\$dɒn dawn\$dɒn
- 9 sit\$ʒɪt set\$ʒɛt
- 10 caper\$'keɪpər caber\$'keɪbər
- 11 mat\$mæt mad\$mæd
- 12 letch\$letʃ ledge\$ledʒ
- 13 lose\$luz loose\$luz
- 14 luff\$ʌf love\$ʌv
- 15 waiter\$'weɪtər wader\$'weɪdər
- 16 peck\$pek peg\$peg
- 17 sue\$ʒu zoo\$ʒu
- 18 sun\$ʒʌn shun\$ʒʌn
- 19 when\$wɛn Gwen\$gwɛn



**LIST 17: unrounded front betw. half-open & half-close vs.  
unrounded central [long]**

- 1 bet\$bet Bert\$b3rt
- 2 bed\$bed bird\$b3rd
- 3 head\$h3d heard\$h3rd
- 4 ten\$t3n turn\$t3rn
- 5 Hell\$h3l hurl\$h3rl
- 6 Ben\$b3n burn\$b3rn
- 7 edge\$3dʒ urge\$3rdʒ
- 8 nest\$n3st nursed\$n3rst
- 9 Ted\$t3d turd\$turd
- 10 bled\$b3d blurred\$b3rd
- 11 held\$h3ld hurled\$h3rld
- 12 weld\$w3ld world\$w3rld
- 13 west\$w3st worst\$w3rst
- 14 best\$b3st burst\$b3rst
- 15 well\$w3l whirl\$w3rl
- 16 end\$3nd earned\$3rnd
- 17 spend\$sp3nd spurned\$sp3rnd
- 18 kennel\$'k3nəl kernel\$'k3rnəl
- 19 wed\$w3d word\$w3rd
- 20 peck\$pek perk\$pek

### **LIST 18: α: & half-close vs. ʌ**

- 1 Bach\$ba:k buck\$bʌk
- 2 phlox\$fla:ks flux\$flʌks
- 3 lock\$la:k luck\$lʌk
- 4 sock\$sa:k suck\$sʌk
- 5 cop\$ka:p cup\$klʌp
- 6 stomp\$sta:mp stump\$stʌmp
- 7 rob\$ra:b rub\$rʌb
- 8 got\$ga:t gut\$gʌt
- 9 not\$na:t nut\$nʌt
- 10 mod\$ma:d mud\$mʌd
- 11 Bond\$ba:nd bud\$bʌd
- 12 flock\$fla:k glum\$glʌm

## **LIST 19: voiceless palato-alveolar fricative vs. voiceless palato-alveolar affricate**

- 1 sheet\$ʃit cheat\$tʃit
- 2 shop\$ʃɒp chop\$tʃɒp
- 3 shin\$ʃɪn chin\$tʃɪn
- 4 she's\$ʃɪz cheese\$tʃɪz
- 5 shoe\$ʃu chew\$tʃu
- 6 sheep\$ʃɪp cheap\$tʃɪp
- 7 sherry\$'ʃɛri cherry\$tʃɛri
- 8 share\$ʃɛr chair\$tʃɛr
- 9 shoes\$ʃuːz choose\$tʃuːz
- 10 cash\$kæʃ catch\$kætʃ
- 11 cashing\$kæʃɪŋ catching\$kætʃɪŋ
- 12 wash\$wɒʃ watch\$wɒtʃ
- 13 washer\$'wɒʃər watcher\$'wɒtʃər
- 14 washing\$'wɒʃɪŋ watching\$'wɒtʃɪŋ
- 15 wish\$wɪʃ which\$wɪtʃ
- 16 bush\$bʊʃ butch\$bʊtʃ
- 17 mash\$mæʃ match\$mætʃ
- 18 dish\$dɪʃ ditch\$dɪtʃ
- 19 mush\$mʌʃ much\$mʌtʃ

## **LIST 20: voiceless alveolar fricative vs. voiced alveolar fricative**

- 1 sip\$ɹip zip\$zɪp
- 2 Sue\$su zoo\$zu
- 3 said\$sed Zed\$zed
- 4 seal\$sil zeal\$zil
- 5 ice\$ais eyes\$aɪz
- 6 rice\$raɪs rise\$raɪz
- 7 lice\$laɪs lies\$laɪz
- 8 price\$praɪs prize\$praɪz
- 9 dice\$daɪs dies\$daɪz
- 10 grace\$greɪs graze\$greɪz
- 11 face\$feɪs phase\$feɪz
- 12 mace\$meɪs maze\$meɪz
- 13 lace\$leɪs laze\$laze
- 14 place\$pleɪs plays\$pleɪz
- 15 bus\$bʌs buzz\$bʌz
- 16 niece\$nis knees\$niːz
- 17 pierce\$paɪs peers\$paɪz
- 18 fierce\$faɪs fears\$faɪz
- 19 loose\$luːs lose\$luːz