

Introduction

 Phonology is not only concerned with the establishment of the phonemes of a language and the distribution of sounds. It is concerned with sound patterns in general. Alternation is a type of sound patterns in a language.

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Alternation

• Alternation, where a word turns up in two or more forms, and there are systematic sound-difference between the forms.

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Phonological Processes

They operate upon natural groupings of sounds, and give rise to alternations in the form of the words. Phonological processes belong to a small number of frequently occurring types.

- 1. Assimilation
- 2. Elision (deletion)

3. linking

Assimilation

- When a sound is changed into another because the influence of a neighbouring sound, there is said to be a process of assimilation.
- The assimilation may be complete or partial.

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- Check the following examples:
- Complete assimilation (noticeable)
 - 1) tenth: [ten θ]... pronounced as dental
 - 2) in the: [inð3]... pronounced as dental

- Partial assimilation (slight)
- 1) Fact finding: [fækt faindin] ... pronounced as week t (we cannot symbolize in transcription)
- 2) Wrapped parcel: [ræpt pa:rsel] ... pronounced as week t (we cannot symbolize in transcription)

- Again, when we find a phoneme realized differently as a result of being near some other phoneme belonging to a neighbouring word, we call this an instance of assimilation.
- Assimilation is something which varies in extent according to the speaking rate and style; it is more likely to be found in rapid, casual speech and less likely in slow, careful speech.

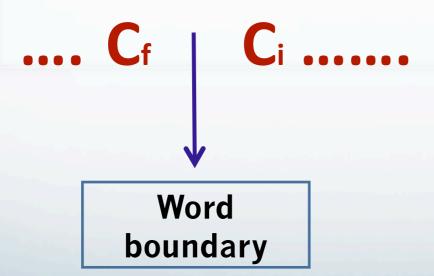
Remember

 Generally speaking, the cases that have most often been described are all assimilation affecting consonants.

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Assimilation

• When two words are combined, the first ends with a single final consonant (C_f) and the second of which starts with a single initial consonant (C_i), we can construct a diagram:



We can see two kinds of assimilations.

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Kinds of Assimilation

- 1) Regressive assimilation:
 - the first consonant is affected by the second.
 - e.g. that person [ðæp p3:sn]
- 2) Progressive assimilation:
 - the second consonant is affected by the first.
 - e.g. cats [kæts] dogs [dЭgz]

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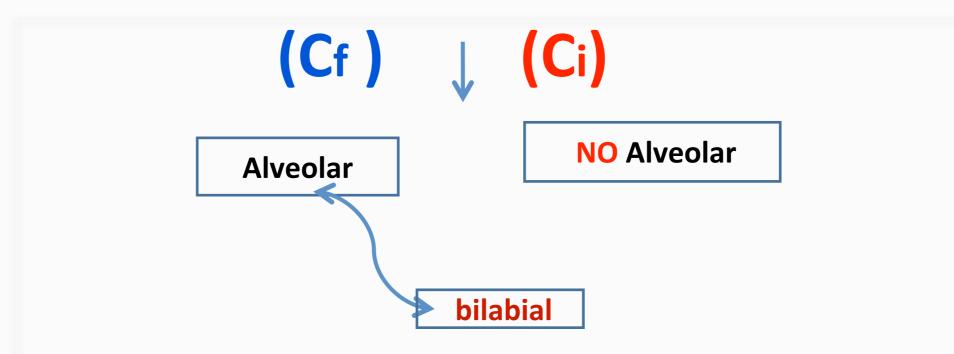
Differences in Assimilation

- Philologists have seen that main differences between consonants are of 3 types:
- 1) Differences in place of articulation
- 2) Difference in manner of articulation
- 3) Difference in voicing

Assimilation of Place

- It occurs where a final consonant (Cf) with alveolar place of articulation is followed by an initial consonant (Ci) with a place of articulation that is not alveolar.
- Then, the alveolar is changed to bilabial.

The alveolar: /t/-1



Look at the /t/ as in:

```
that person [ðæp pɜ:sṇ]

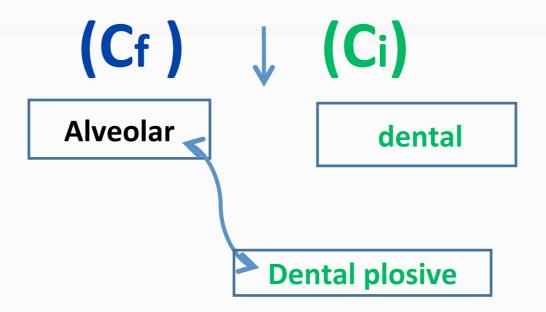
light blue [laip blu:]

meat pie [mi:p pai]
```

The alveolar: /t/-2

2) Before a dental consonant, /t/ will change to a dental plosive.

The alveolar:/t/-2



Look at the /t/ as in:

```
that thing [ðæt θiŋ]

get those [get ðɜuz]

cut through [kΛt θru:]
```

The alveolar: /t/-3

3) Also, before a velar consonant, the /t/ will become /k/.

The alveolar: /t/-3

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(Cf) (Ci)
Alveolar velar
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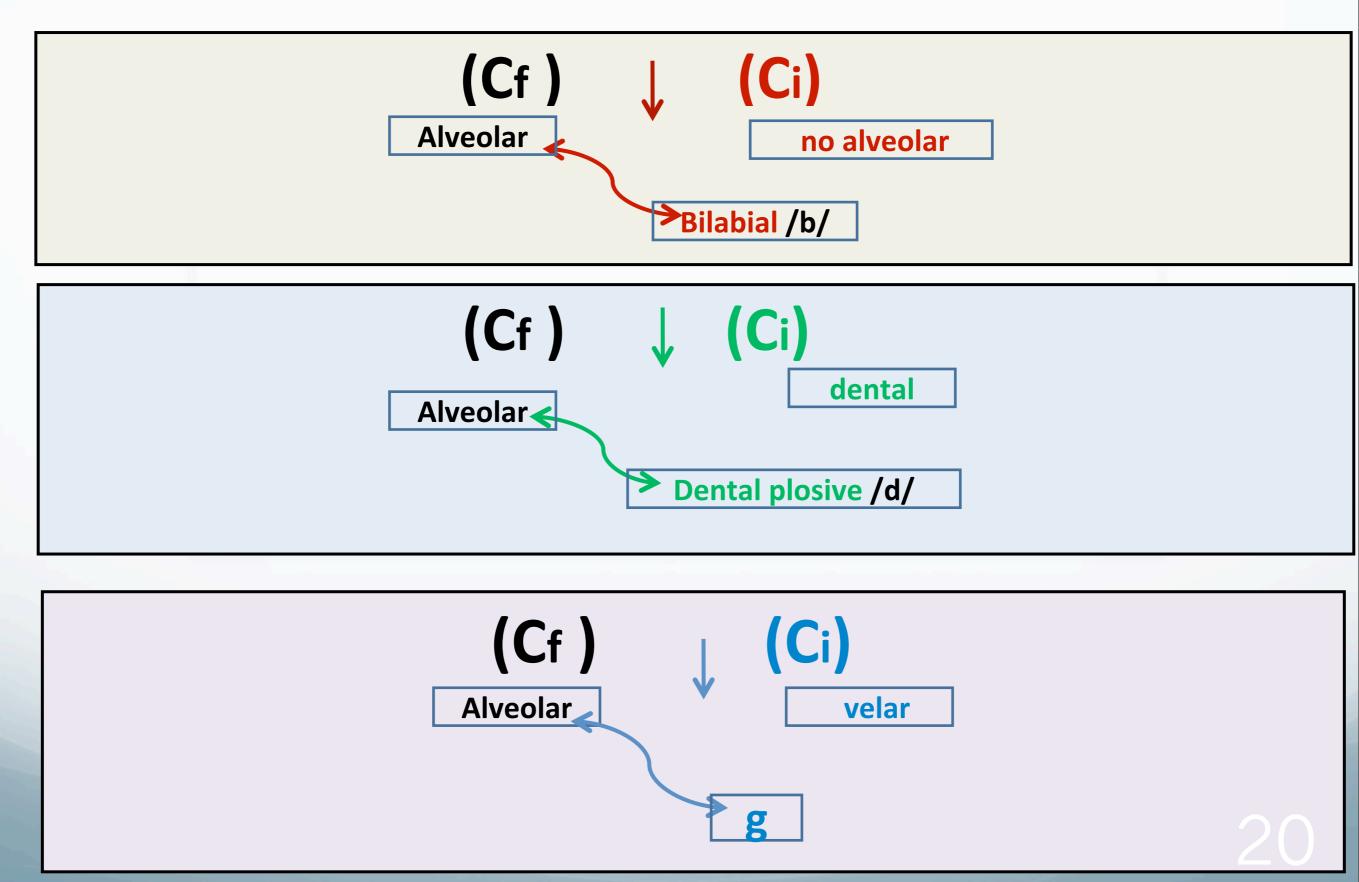
Look at the /t/ as in:

```
that case [ðæk keis]
bright colour [braik kΛl3]
quite good [kwaik gud]
```

/d/- 1,2,3

- In similar contexts:
- -- /d/ would become b, d, and g.

The alveolar: /d/-1,2,3

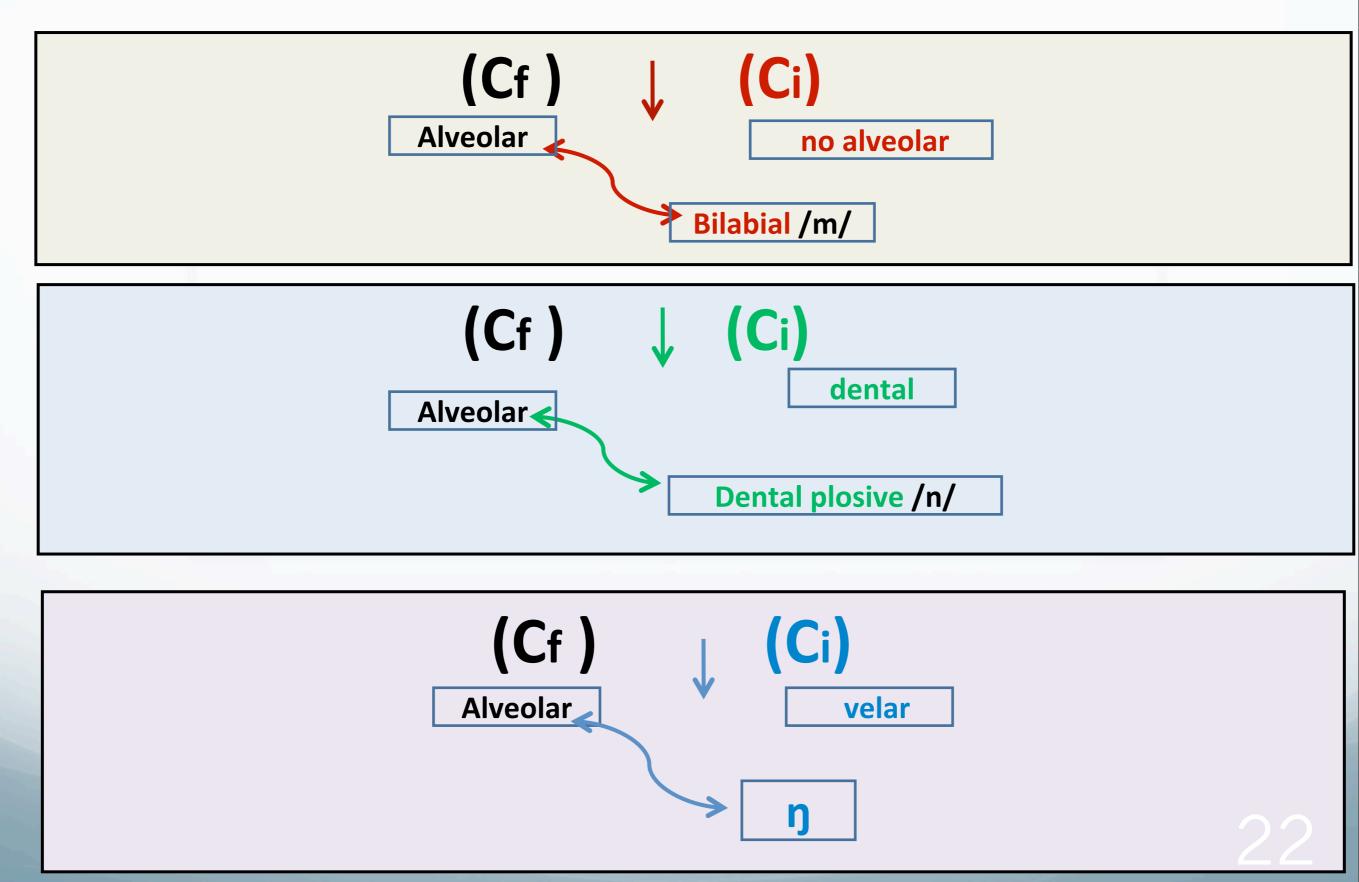


/n/- 1,2,3

- In similar contexts:
- -- /n/ would become m, n, and n.

 $\angle \perp$

The alveolar: /n/-1,2,3



Assimilation of Place

 The other alveolar consonants /s/ and /z/ behave differently, the only noticeable change being that /s/ becomes /ʃ/ and /z/ becomes /3/ as in:

```
this show [ðiʃ ʃu:]
those years [ðɜuʒ jiɜz]
```

Wednesday, 14 November 12

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Remember

 It is important to note that the consonants that have undergone assimilation have not disappeared.

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Remember

 Assimilation of place is only noticeable in this regressive assimilation of alveolar consonants.

Assimilation of Manner

• It is less noticeable, and is only found in the most rapid and casual speech; generally speaking, the tendency is again for regressive assimilation and the change in manner which makes less obstruction to the airflow.

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Cont.

• It is thus possible to find cases where a final plosive becomes a fricative or a nasal.

• E.g.

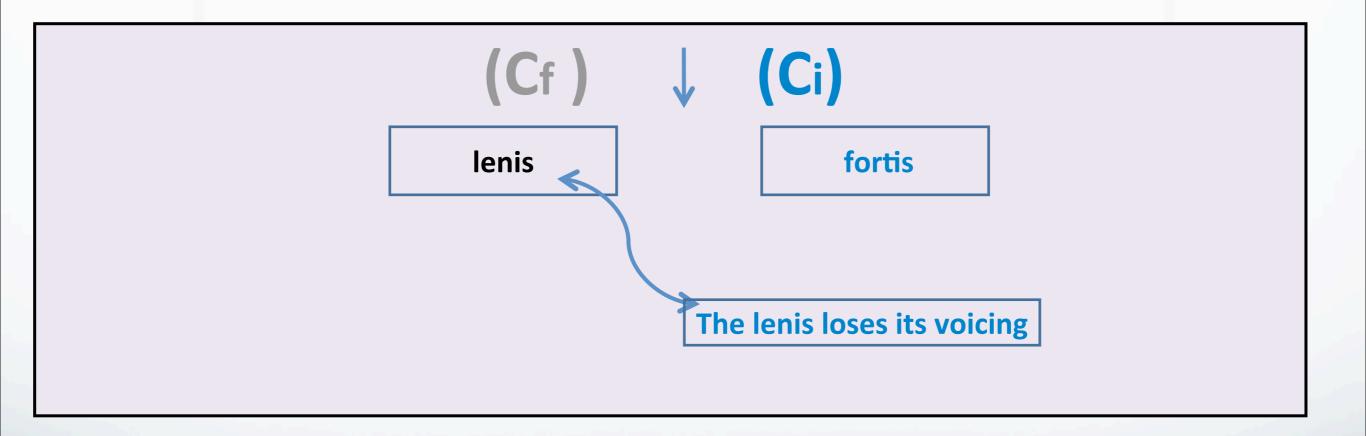
that side [ðæs said]

good night [gun nait]

Assimilation of Voicing

- Assimilation of voicing is also found but only in a limited way.
- Only regressive assimilation of voicing is found across word boundaries, and then the only type.

The assimilation of voicing



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Fixed cases of assimilation

 If in a syllable-final consonant cluster a nasal consonant precedes a plosive or a fricative in the same morpheme, the place of articulation of the nasal is always determined by the place of articulation of the other consonant.

• Thus:

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bump [bΛmp]tenth [tenθ]hunt [hΛnt]bank [bæŋk]
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• It could be said that assimilation had become "fixed" as part of the phonological structure of English syllables, since exceptions are non-existent.

Another examples of fixed forms of assimilation:

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cats[kæts]dogs[dЭgz]jump[dζΛmp]runs[rΛnz]Pat's[pæts]Pam's[pæmz]
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