Format of the Midterm

Short Answer and Data Analysis
Morphology Terms

Morphology is the study of forms

Basic Morphology Terms

- **Morpheme:**
- **Word:**
- **Lexeme:**
Morphology is the study of forms

Basic Morphology Terms

- **Morpheme**: A minimal meaning bearing unit
- **Word**: 
- **Lexeme**: 
Morphology is the study of forms

**Basic Morphology Terms**

- **Morpheme**: A minimal meaning bearing unit
- **Word**: A morpheme that can stand alone or morphemes that are together as a unit
- **Lexeme**: 
Morphology is the study of forms

**Basic Morphology Terms**

- **Morpheme**: A minimal meaning bearing unit
- **Word**: A morpheme that can stand alone or morphemes that are together as a unit
- **Lexeme**: An abstract entry in the mental lexicon
### Morphology Conceptual Questions

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<tr>
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<th>Root</th>
<th>Affix</th>
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<tbody>
<tr>
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<tr>
<td><strong>Grammatical</strong></td>
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- Canonically, roots are lexical
- Canonically, affixes are functional
Morphology Conceptual Questions

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- Canonically, roots are lexical
- Canonically, affixes are functional

Do the terms “free” and “bound” morpheme correspond to any of these terms?
Morphology Analysis

Morphological Hierarchy

Word trees are hierarchical representations of affix ordering that tell us which affixes attach first.

1. Split up the word into morphemes
2. Identify the word classes associated with the morphemes
3. Link the tree
4. Provide examples
Structure This!

ANTIDISESTABLISHMENT
Structure This!

ADJ

ANTI-

V

N

-MENT

DIS-

ESTABLISH
The International Phonetic Alphabet

- What are the major features of consonants?
- What are the major features of vowels?
The International Phonetic Alphabet

- What are the major features of consonants?
  - **Voicing:** Left (voiceless) Right (unvoiced)

- What are the major features of vowels?
The International Phonetic Alphabet

- What are the major features of consonants?
  - Voicing: Left (voiceless) Right (unvoiced)
  - Place: Front to Back

- What are the major features of vowels?
The International Phonetic Alphabet

What are the major features of consonants?

- **Voicing:** Left (voiceless) Right (unvoiced)
- **Place:** Front to Back
- **Manner:** Top to Bottom

What are the major features of vowels?
The International Phonetic Alphabet

- What are the major features of consonants?
- What are the major features of vowels?
- **Height:** Top to Bottom
The International Phonetic Alphabet

What are the major features of consonants?

What are the major features of vowels?

- Height: Top to Bottom
- Frontness: Front to back
The International Phonetic Alphabet

- What are the major features of consonants?
- What are the major features of vowels?
- Height: Top to Bottom
- Frontness: Front to back
- Rounding: Left (unrounded) Right (rounded)
Natural Classes

This a featural relationship that one phone has to others. Even if the phones have the same feature, depending on the other phones that are around, the relevant natural class might be different.
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[x], [f], [t], [y]
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\[ \text{x}, \text{f}, \text{t}, \text{y} \]

fricative
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\[ x, f, t, y \]

fricative

\[ s, r, l, d \]
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[x], [f], [t], [y]  
fricative

[s], [r], [r], [d]  
voiced
Phonetic Analysis

igoutist. ei pr̩d v ʌʊ teɪst rʌʊ intʃərəstɪd in hɪmself ðɪn in ɪ
Phonetic Analysis

EGOTIST: A person of low taste, more interested in himself than in me
What is the difference between **phonetics** and **phonology**?

**Phonetics:**

**Phonology:**
What is the difference between **phonetics** and **phonology**?

**Phonetics:** the study of physical sounds.

**Phonology:**
Phonology vs Phonetics

What is the difference between **phonetics** and **phonology**?

**Phonetics:** the study of physical sounds.

**Phonology:** the study of the mental organization of physical sounds particular to a given language.
Phonology vs Phonetics

Reality of Phonology

It is true that two different languages might treat the same physical sound in different ways.

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</tr>
<tr>
<td>[thə]</td>
<td>‘location’</td>
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Conceptual Understanding

- What does this data set show an example of?
Phonology vs Phonetics

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Conceptual Understanding

- What does this data set show an example of? **Minimal Pairs**
Phonology vs Phonetics

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Conceptual Understanding

- What does this data set show an example of? **Minimal Pairs**
- Why do many English speakers think these sounds are all /t/?
Conceptual Questions

What is the difference between

**Contrastive Distribution**

**Complementary Distribution**
Conceptual Questions

What is the difference between

**Contrastive Distribution** Phones appear in the same environment. Evidence for the phones belonging to contrasting phonemes.

**Complementary Distribution**
Conceptual Questions

What is the difference between

Contrastive Distribution  Phones appear in the same environment. Evidence for the phones belonging to contrasting phonemes.

Complementary Distribution  Phones never appear in the same environment. Evidence for the phones belonging to the same phoneme.
Conceptual Questions

What is the difference between

**Contrastive Distribution**  Phones appear in the same environment. Evidence for the phones belonging to contrasting phonemes.

**Complementary Distribution**  Phones never appear in the same environment. Evidence for the phones belonging to the same phoneme.

**Minimal pairs** are the strongest evidence of contrastive distribution, but are not the only evidence.
Conceptual Questions

What is the difference between

**Contrastive Distribution**  
Phones appear in the same environment. Evidence for the phones belonging to contrasting phonemes.

**Complementary Distribution**  
Phones never appear in the same environment. Evidence for the phones belonging to the same phoneme.

*Complementary distribution* is not immediate confirmation of allophonic.
### Castillian Spanish Data Set

Look at \[r\] and \[\grave{r}\]

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<tr>
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<td>[rama]</td>
<td>‘branch’</td>
</tr>
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Writing Phonological Rules

**Prose:** Phonological Input Goes To Phonetic Realization In The Environment Of
Writing Phonological Rules

Prose: Phonological Input Goes To Phonetic Realization In The Environment Of

Formula: /X/ → [Y] /
Writing Phonological Rules

**Prose:** Phonological Input Goes To Phonetic Realization In The Environment Of

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**Castillian:** \( /r/ \rightarrow [r] / \) #