

Name:

Expanded Phrase Structure Rules

To restate our current PS rules:

$S \rightarrow NP VP$	$VP \rightarrow V (NP) (PP) (S')$
$NP \rightarrow (D) (AP) N (PP)$	$PP \rightarrow P NP$
$AP \rightarrow (I) A$	$S' \rightarrow (C) S$
$X \rightarrow X \text{ conj } X$	

Where:

S is a sentence	A is an adjective
N is a noun	P is a preposition
V is a verb	I is an intensifier (very, extremely, etc.)
C is a complementizer (that, if, whether, etc.)	
S' is a subordinated clause	

Now draw syntax trees for the following sentences:

1. I know that he ate that sandwich.
2. The very hungry hippo chewed with passion.
3. The Chinese buffet has crabmeat with cheese.
4. He said that he knew the Hamburglar took his burger and fries.
5. Every sentence was about food.
6. I wonder whether I have time for lunch.
7. My meeting is in an hour.