

NLP      Quiz 7      11.11.2010      Name: \_\_\_\_\_

1. What is meant by saying that the ontological relation of *hyponymy* is *transitive*? Give an example. (Hint: "hyper" means "over" in Greek)

**If the hypernym of "cat" is "mammal", and the hypernym of "mammal" is "animal", then we know that a "cat" is an "animal".**

2. Each word in the lexical database *WordNet* represents a cell in a lexical matrix. What do all the words in a row (called the *synset*) have in common? What do all the words in a column have in common?

**Row: Same meaning (synonyms). Column: Same form (but possibly different meanings, e.g. "bank")**

3. What is the difference between *transactional* language use and *interactional* language use?

**Transactional: Mainly exchange of information. Interactional: Mainly management of social relationships and activities.**

4. Provide an example of a possible *discourse function* and a *discourse device* that carries out that function.

**Discourse Function: Emphasize. Discourse Device: Using the word "very" while raising the voice and banging a fist on the table.**

5. What *referring expressions* can be said to *corefer* in the following brief discourse: "Alice was thinking about daisies when suddenly a white rabbit ran by. It popped down into a rabbit hole"?

**"a white rabbit" and "It" corefer to the "Rabbit" discourse entity.**