**ACTIVITY #4**

1. **Multiple choice activity reading #2.**

1. What is the primary focus of Natural Language Processing (NLP)?

 a. Creating human-like robots

 b. Developing algorithms for language understanding

 c. Generating poetry

 d. Enhancing computer gaming graphics

2. Which type of ambiguity involves sentences with multiple interpretations due to a lack of context?

 a. Lexical Ambiguity

 b. Syntactic Ambiguity

 c. Semantic Ambiguity

 d. Pragmatic Ambiguity

3. What is the purpose of Dependency Parsing in NLP, as mentioned in the text?

 a. Generating contextual embeddings

 b. Identifying homonyms

 c. Understanding sentence structures

 d. Dealing with metaphors

4. How did the experiments with ChatGPT evaluate its performance in dealing with linguistic ambiguity?

 a. ChatGPT excelled in syntactic ambiguity

 b. The model showed systematicity issues

 c. ChatGPT performed poorly in detecting ambiguity

 d. The analysis revealed a lack of gender bias

5. What does the conclusion suggest about the future of NLP and linguistic ambiguity?

 a. NLP has fully addressed linguistic ambiguity

 b. GPT-3 is the final breakthrough in NLP

 c. More research is needed for handling a wide range of contexts

 d. NLP technologies are becoming obsolete