**ACTIVITY #1**

1. **Fill in the blank activity.**

1. Stemming is a linguistic process that involves eliminating \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ from words to reduce them to their root or stem.

2. Stemming is commonly used to enhance \_\_\_\_\_\_\_\_\_\_, which is the way computer programs understand \_\_\_\_\_\_\_\_\_\_.

3. By reducing words to their stem, stemming makes it easier to find patterns in a text, especially when words on similar topics become \_\_\_\_\_\_\_\_\_\_ terms.

4. Lemmatization differs from stemming as it uses dictionaries to find the base or \_\_\_\_\_\_\_\_\_\_ of a word, also known as the \_\_\_\_\_\_\_\_\_\_ of inflected forms.

5. Natural Language Processing (NLP) is crucial for SEO, and stemming can be used to improve search functions on a website and other \_\_\_\_\_\_\_\_\_\_ or internal features.