## Linguists say:



# Morphemes are the smallest meaningful units of language







## Language =

- Annorized Stuff
- Phonemes of your language
  What are the smallest bits that we can input into the combinatory rules that create complex meanings?
- rains cats and dogs







## WHY CARE??



"morpheme theory"





# ism ic ize

**Storage theory Decomposition theory** "morpheme theory" "word theory" magnolia magnet magnetize magnetic magnet ism magnetism magnificent ic Etc... ize





#### **Decomposition theory**

## magnet



#### Predictions

### **Decomposition theory**





All of these words contain the same morpheme *magnet*.

 $\rightarrow$  All of these words relate to each other via identity.

→ Any prime-target combination of these words should elicit repetition priming.

#### Predictions

All of these words are similar in sound.

 $\rightarrow$  They should compete with each other in recognition.

Some of these words are also similar in meaning.

 $\rightarrow$  They should semantically prime each other.

None of these words relate to each other via identity.

→ Any priming effect between *magnet* and *magnetism*, for example, should be explainable in terms of sound and meaning similarity alone.

## **Storage theory**



## Upshot

A "morpheme lexicon" and a "word lexicon" contain different similarity relations.

Therefore, they make different predictions about priming.