



# OCHEM I

# IUPAC NAMING

## Suffix

- ane => Single bond
- ene => Double bond
- yne => Triple bond
- yl => substituent (off parent chain)

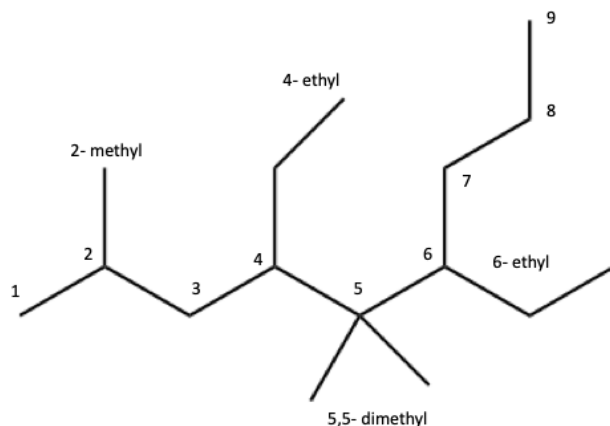
## Prefix

- Meth- => One carbon
- Eth- => Two carbons
- Prop- => Three carbons
- But- => Four carbons
- Pent- => Five carbons
- Hex- => Six carbons
- Hept- => Seven carbons
- Oct- => Eight carbons
- Non- => Nine carbons
- Dec- => Ten carbons

## Naming Steps

1. Find the parent chain
  - Longest continuous chain of carbons
2. Number the parent chain
  - Direction determined by substituents
  - Place substituents on the lowest number possible
3. Name substituents
4. Place substituents in alphabetical order

Ex.



Name: 4,6-diethyl-2,5,5-trimethylnonane

