

# Lesson 62: Molecular Formula Writing Notes

Chemistry with Lab

## **Molecular Compounds** (\_\_\_\_\_ bonding)

Formula represents the number of \_\_\_\_\_ of each \_\_\_\_\_  
in a single \_\_\_\_\_.

### **Prefix System of Nomenclature**

Prefix	Number

Prefix	Number

examples: dinitrogen monoxide \_\_\_\_\_

tetraphosphorus decoxide \_\_\_\_\_

carbon dioxide \_\_\_\_\_; carbon monoxide \_\_\_\_\_

## **Organic compounds**

any \_\_\_\_\_ bonded compound containing \_\_\_\_\_, with  
the exception of \_\_\_\_\_ and \_\_\_\_\_.

## Lesson 62: Molecular Formula Writing (cont.) Chemistry with Lab

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**Hydrocarbons** Composed of only \_\_\_\_\_ and \_\_\_\_\_.

- Saturated contain only \_\_\_\_\_ bonds (\_\_\_\_\_)
- Unsaturated contain \_\_\_\_\_ (\_\_\_\_\_) and \_\_\_\_\_ (\_\_\_\_\_) carbon-carbon bonds

Very \_\_\_\_\_ because of \_\_\_\_\_ and \_\_\_\_\_

### Organic Nomenclature

Prefix	# of carbon atoms (n)

formulas: Alkane =  $C_nH_{2n+2}$

examples: propane \_\_\_\_\_

butene \_\_\_\_\_

Prefix	# of carbon atoms (n)

Alkenes =  $C_nH_{2n}$

nonane \_\_\_\_\_

### The Chemistry Quiz

CR1. \_\_\_\_\_ CR2. \_\_\_\_\_ 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

4. \_\_\_\_\_ 5. \_\_\_\_\_