



High Oleic Oil Molecular Structures

Name _____

Date _____

Use the presentation provided to complete the following notes.

Molecular Formula

Dot Diagram

Structural Formula

Fill in the missing info...
Structural Formulas

1. Find the central atom.
2. Find the total number of
3. Divide the total number of e's by 2. this = the
4. Place 1 bond pair between the
5. Place the remaining pairs about the atoms to

Examples:





Exceptions to the Octet Rule

1. When there are an odd # of _____

a. Ex: NO_2

2. Some compounds form with fewer than _____.

a. Ex: BH_3

These are _____

3. Expanded Octet – The central atom

a. Ex: PCl_5

4. Resonance Structures – A condition that occurs when

5. _____

a. Ex: $[\text{NO}_3]^-$

b. The actual nitrate ion is an average of the three structures. They are not identical!

ADH 11/14