(7) **Today**

Sections 1.12 Drawing Chemical Structures

Sections 2.1 - 2.4
Polar Covalent Bonds, Formal Charges,
Resonance/Electron Delocalization

(9) Second Class from Today

Sections 2.4 – 2.6 Resonance/Electron Delocalization

Sections 2.7 – 2.11 Acids and Bases

Next Class (8)

Sections 2.1 - 2.4 Polar Covalent Bonds, Formal Charges, Resonance/Electron Delocalization

Sections 2.4 – 2.6 Resonance/Electron Delocalization

Third Class from Today (10)

Sections 2.7 – 2.11 Acids and Bases

$$CH_3CH(OH)CH_2CH_3$$
 $CH_3(CH_2)_3CH_3$

$$CH_3CH_2CH(CH_3)_2$$

Parentheses () in structures are typically used to set off side chains, to indicate a repeating unit, or to indicate multiple groups of the same structure.

Kekuli structure

the 6 has 2 pair of lone pair e's

even though they aren't drawn...

If they were Missing the

O would have a D

Condensed Structures/Structural Formulas: Using ()

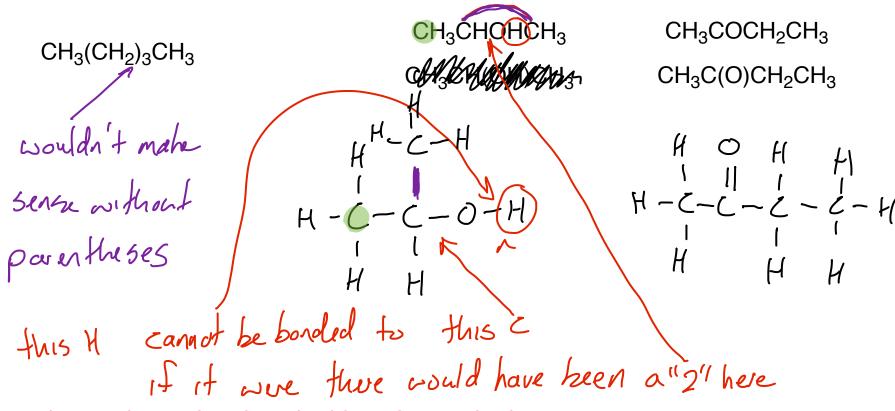
Section 1.12

$$CH_3$$
 CH_2)₃ CH_3 CH_3 CH_2 CH_2 CH_3

Parentheses () in structures are typically used to set off side chains, to indicate a repeating

unit, or to indicate multiple groups of the same structure.

Often, chemists omit parentheses when they are not absolutely necessary,



and sometimes chemists do things for aesthetic reasons.

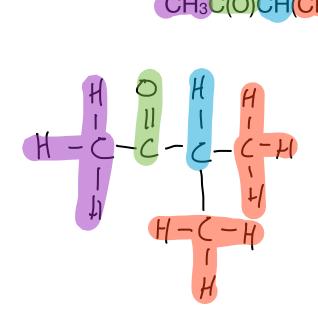
$$C(CH_3)_3OH$$
 $CH_3C(CH_3)_2OH$ $(CH_3)_3COH$ CH_3 COH CH_3 COH CH_3 COH CH_3 COH CH_3 COH CH_3 COH COH

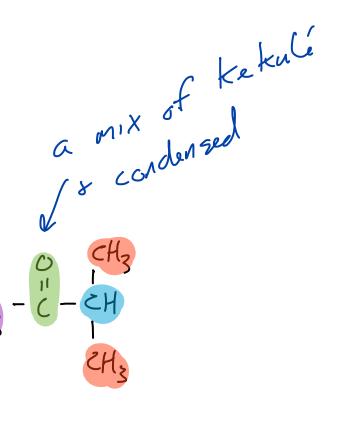
Convert Condensed Structures to Kekulé Structures council be bonded blue

Section 1.12

Convert Condensed Structures to Kekulé Structures

Section 1.12





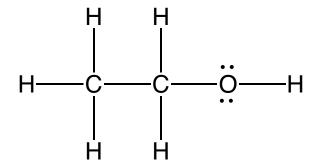
When a bond ends and the atom isn't labeled it is assumed to be C.

When there aren't enough bonds drawn to a C atom, the "missing" bonds are C atom to H atom bonds.

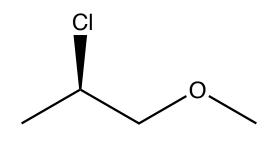
All other atoms are labeled.

Different structures serve different purposes, but they represent the same things

convert Lewis to skeletal



convert skeletal to condensed



convert structural formula to skeletal CH₃CH(OH)CH₂CH(CH₃)CH₂CH₃

convert skeletal to condensed

