Condensed Structuras formulas: Hydrogen atoms are written directly after the carpons. Faster than durn line formulas, Atoms attacked to any given curbon are written immediately after that curbon, e hydrogens at first.

PP 1.13: CH3(CHCH3)3 CH2

4

0

1

3

-3

-3

· bond - line formulas: can interpret molecular connectivity and compare different mnecular formulas quickly. · In bond-line formulas:

each line represents a bond

- cath bend of terminus represents a carbon atom.

- ( is are written only tor CHz groups at the end of a chain.

no His are shown unless and perspective is needed, in which

case a wedge is wed

- the number of hydrogens bonded to each carbon is inffered by assuming that mydrogens fill the valence shull unless. a charge is indicated.

" If another element is present, other than carbon or hydrogen,

The symptol is put at the appropriate location

- Hydrogens that bond to elements other man carbon are written EXPLICATLY.

Example: write the bond-line formula for: CH's CH citz CH'z CH'z OH

Preview from Notesale.co.uk

College College

PPLINGS OF TENNON CHEMN CHY TO TEN TON THE PROPERTY CHILDREN

The last the second by the paint of the particle of the partic the state of the s

(2) The actual molecules ion will be better represented by a hybrid imix/average) of the ithutures. + > resonance structures are not real and only exist on paper -> can never be isolated THE RELEASE DESIGNATION OF STREET -> purely hyperthetical When drawing resonance structures, connect them wi double headed arrows to indicate that they are hypothetical, not real. Example: curbonux ion O' The same of the same of the 10: THE PARTY OF THE PARTY OF THE PARTY. 0 ... ... ... ... ... ... ... RESONANCE STRUCTULES DO NOT REPRESENT EQUILIBRIUM you can write a non-lewis structure that regresents the hybrid it (carbonate ion): THE OWNER OF THE RESIDENCE OF THE PARTY OF T DESCRIPTION OF THE RESERVE AND ADDRESS OF THE PARTY OF TH \*all of the bonds are , the bonds are in between equal, as venified a single and double by the experiment bond - electrostatic potential map: scyions of higher electronegativity are red, and those lower are trending towards blue. It is used to show escutto. Charge density.

- Neik What resonance structures:

- purved amount : movement of bonding + unshared electrons

-double burbed arrow: movement of two electrons

Preview page 8 of 16

In the formula with the shifts should be drawn.

- Resonance structures are useful when one acoust structure il industry that

- ONLY Electrons can be moved.