Chemistry 2

- iClicker 9A
- Covalent Bonds
 - single, double, triple
 - o charge!
 - Abbreviations
- Answer to iClicker 9B
- Due in Lab next week
 - o Pre-Lab 4
 - LEGO Meiosis lab report
- Register your iClicker
- •
- Exam Information
- Last names starting with A through E
 - 11th Floor of Healy
- Last names starting with F through Z
 - Lipke (here)

Details of sharing et cloud

H' = E Prucleus

covalent

H' H = one

nucleus

()

- e spends most of their time between nudei
- (-) charged cloud in between nuclei
- pulls (+) nuclei together -> forms covalent bond H - H or H2

now, all It's have de in their o.s.

C has get in its o.s.

et. (O)

double covalent bond is stronger than a single covalent bond

triple covalent bond -> 6 = shared

Exceptions to # ofbonds -> due to interactions with water

3 condent bonds 1 lone pair no charge u covalent bonds
no lone pair
Single, positive charge

2 covalent bonds 2 lone pair

no charge

1 covalent bond
3 lone pair
Single negative charge

if e is removed from H, Gall this a proton

Abbreviations

1 "- " -> single covalent bond

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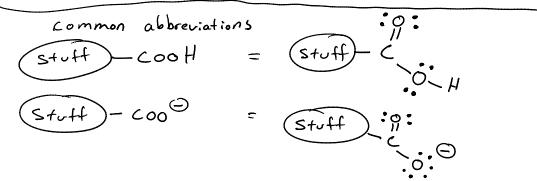
Donds are implied where necessary to make the atoms "happy"

ex. H3 CCHaOH

H-C-C-O-H

H

ethyl alcohol -> beer a wine



3 corners, vertices, a end of lines are C atoms
H's implied on Catoms where its necessary
to make atoms "happy"