Announcements - Lecture X- Tuesday, Oct 16h



C

What Is a Covalent Bond and How Does One Form?

Multiple Bonds – Resonance?

F₂CO(Not on Worksheet)

3.7

C

What Is a Covalent Bond and How Does One Form?

Drawing Lewis Structures of Covalent Compounds

Group V:

Organic Molecules

C: 24) H: 6(1) O: 6 20 8XBP -16 4 21LP -4

How many C-H bonds are there in C₂H₆O

a) 3 d) 6 b) 4 e) Help

How do I know which one?

Does it matter?

c) 5



Notes

Whom dealing with organic Molecules we can assume with some degree of certainity that the "Octet Rule" is Not violated and thus:

C: 4 bonds, O lone pairs

N: 3 bonds 1 Rome pair

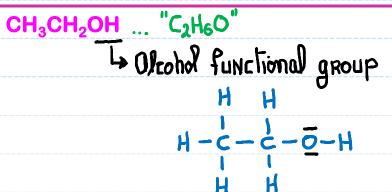
O: 2 bonds, 2 Pone pairs

Halides: 1 bond, 3 lone pairs

3.7 What Is a Covalent Bond and How Does One Form?

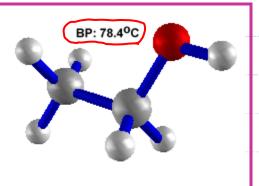
C Drawing Lewis Structures of Covalent Compounds

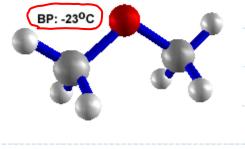
Group V: Organic Molecules



Ethanol.

Dimethylether





3.7

What Is a Covalent Bond and How Does One Form?

C Drawing Lewis Structures of Covalent Compounds

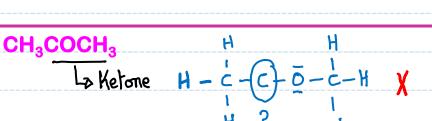
Group V:

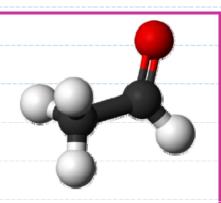
Organic Molecules

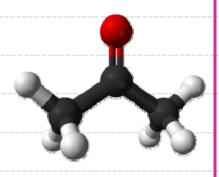
CH₃CHO

4 Oldehyde

acetaldehyde







3.7

What Is a Covalent Bond and How Does One Form?

C

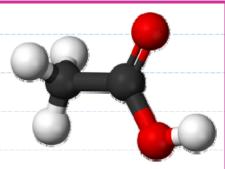
Drawing Lewis Structures of Covalent Compounds

Group V:

Organic Molecules

CH₃COOH

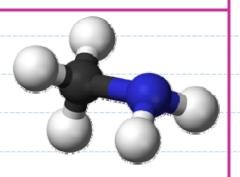
Carboncilic acid



CH₃NH₂

amine (base)

Methylomine



3.10 Molecular Geometries Balloons – Shapes – Angles

 No of Balloons	Shape	Name	Angle
4	109.5°	TETRAHEDRON	~ 1090
 3	120°	TRIGONAL PLANAR	1200
2	180°	Linear	1800