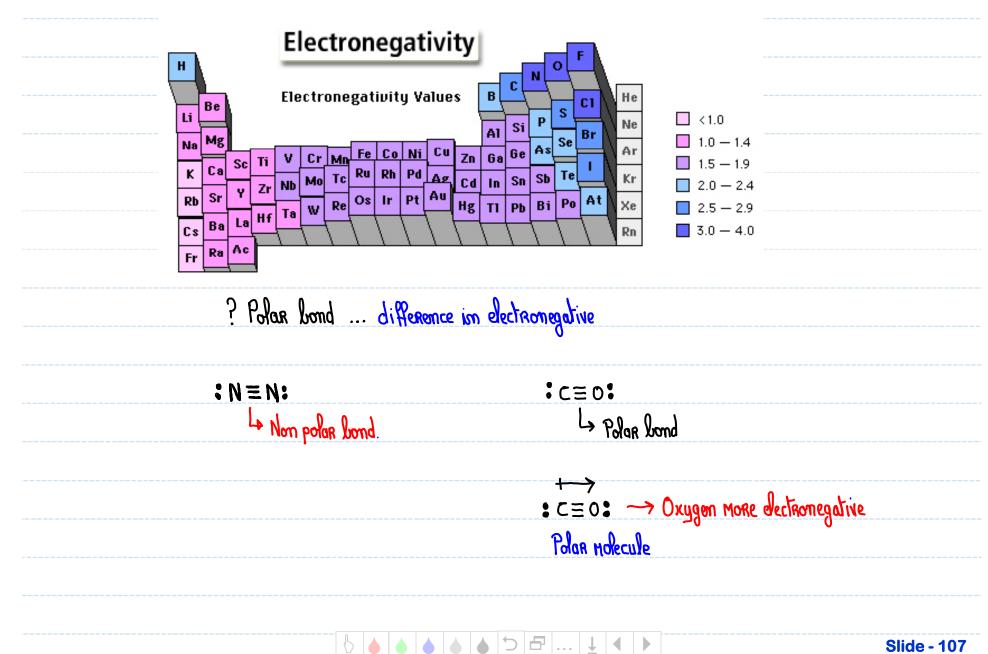
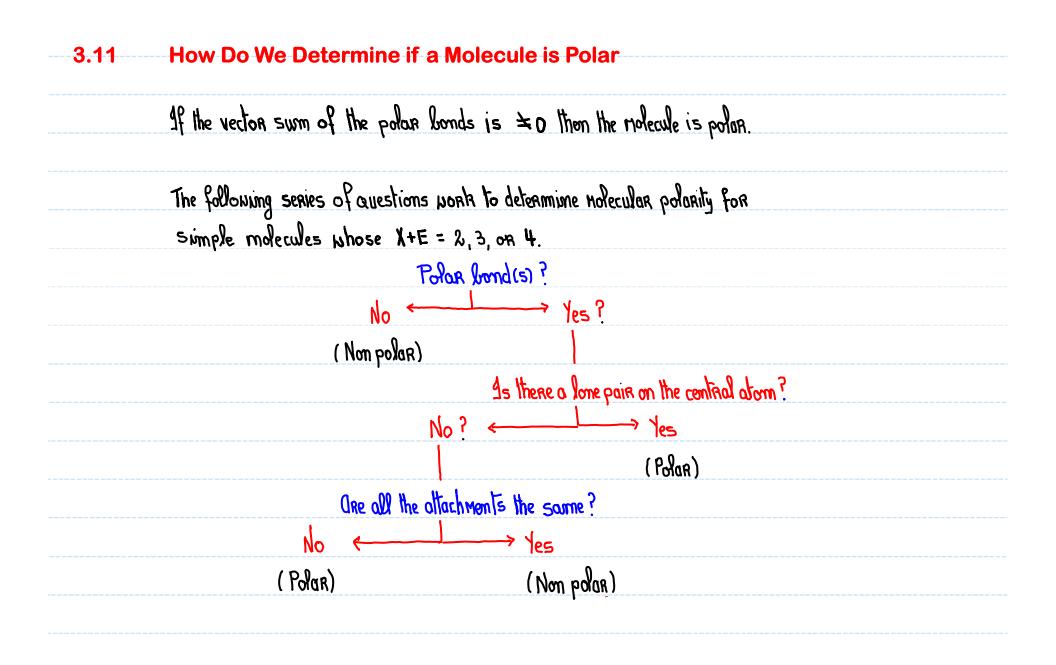
Announcements – Lecture XIII – Tuesday, Oct 27th 1. Fourth Lab – Saturday, October 31st ... 1-4pm ... ISB 155/160 (A-E) a) Print lab prior to coming to lab -- use the 'Print Friendly Version' located on the top left hand side of the page – this is the version that contains the 'Data Sheet' that you will hand in upon completing the lab. b) Third set of Lab Owls will appear in Owl after this lab. There are a total of 4 sets of Lab Owls and they are worth 25% of the Lab Grade. 2. iClicker: Choose any letter: A-E | ▲ | ⊅ | ⊡ | … | ↓ | ◀ | ▶ **Slide - 106**

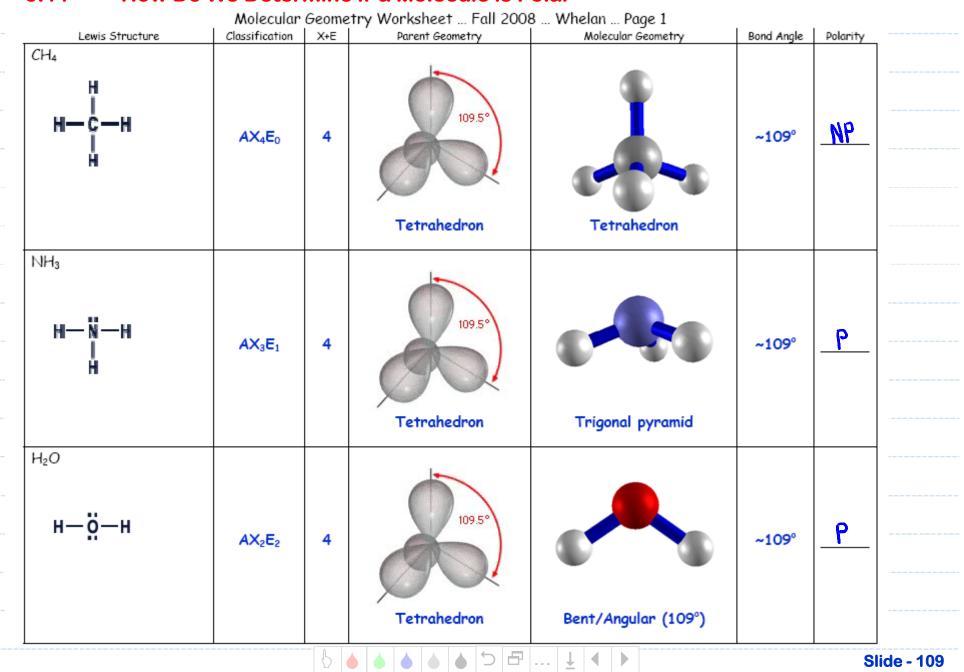
3.11 How Do We Determine if a Molecule is Polar



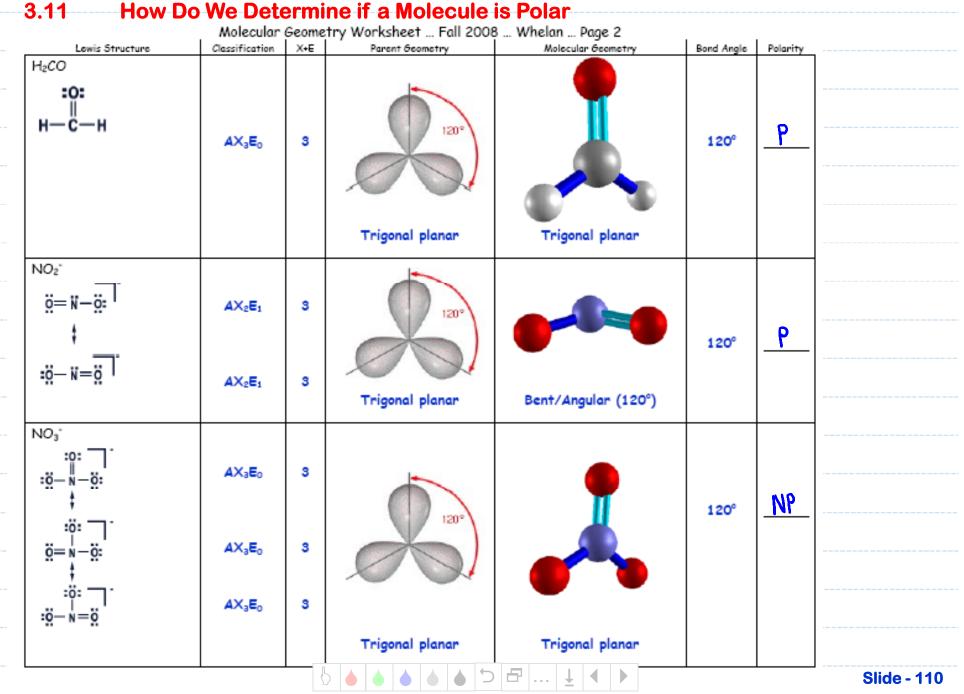
Slide - 107







3.11 How Do We Determine if a Molecule is Polar

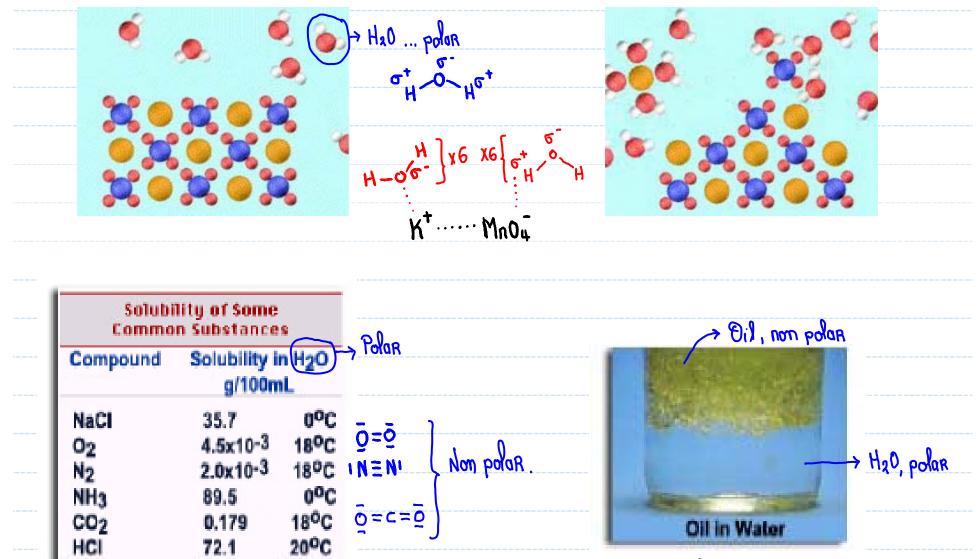


How Do We Determine if a Molecule is Polar

3.11 How Do We Determine if a Molecule is Polar

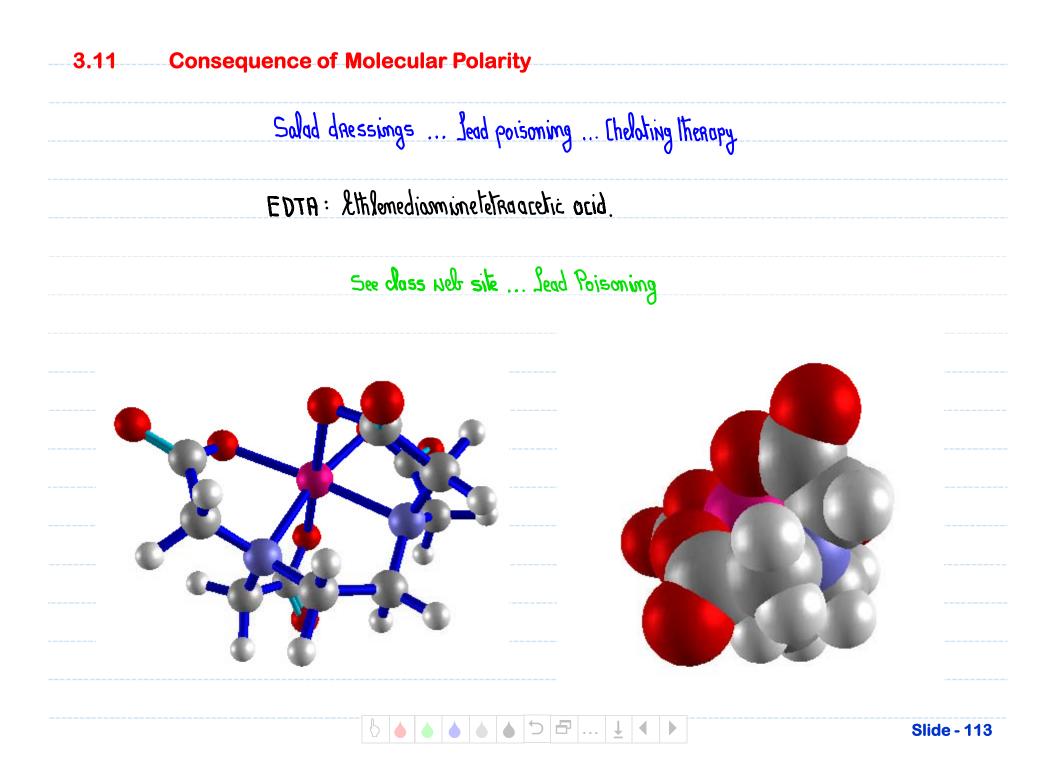
 Luvia Churchura	Molecular Classification		try Worksheet Fall 2008		Daniel Anala	Delevitu	
 CO ₂	AX ₂	2 X+E	Parent Geometry	Molecular Geometry	Bond Angle	Polarity	
			Linear	Linear			
 C₂H₄ H H	1: AX ₃ E ₀	3	1: Trigonal planar		1: 120 °		
H-C=C+H	2: AX₃E ₀	3	2: Trigonal planar		2: 120 °		
 C₂H₅OH H H	1: AX ₄ E ₀	4	1: Tetrahedron		1: ~109 °		
н—с—с—о—н	2: AX₄E ₀	4	2: Tetrahedron		2: ~109 °		
 н́н́	3: AX ₂ E ₂	4	3: Tetrahedron		3: ~109 °		
 C₂H₅COOH	1: AX ₄ E ₀	4	1: Tetrahedron	\$	1: ~109 °		
 H H :0: ₁ ₂ ₃4 H—Ç—Ç—C—Ö—H	2: AX₄E ₀	4	2: Tetrahedron	and the	2: ~109 °		
	3: AX ₃ E ₀	3	3: Trigonal planar	I I	3: 120 °		
	4: AX₂E ₂	4	4: Tetrahedron		4: ~109 °		

3.11 Consequence of Molecular Polarity

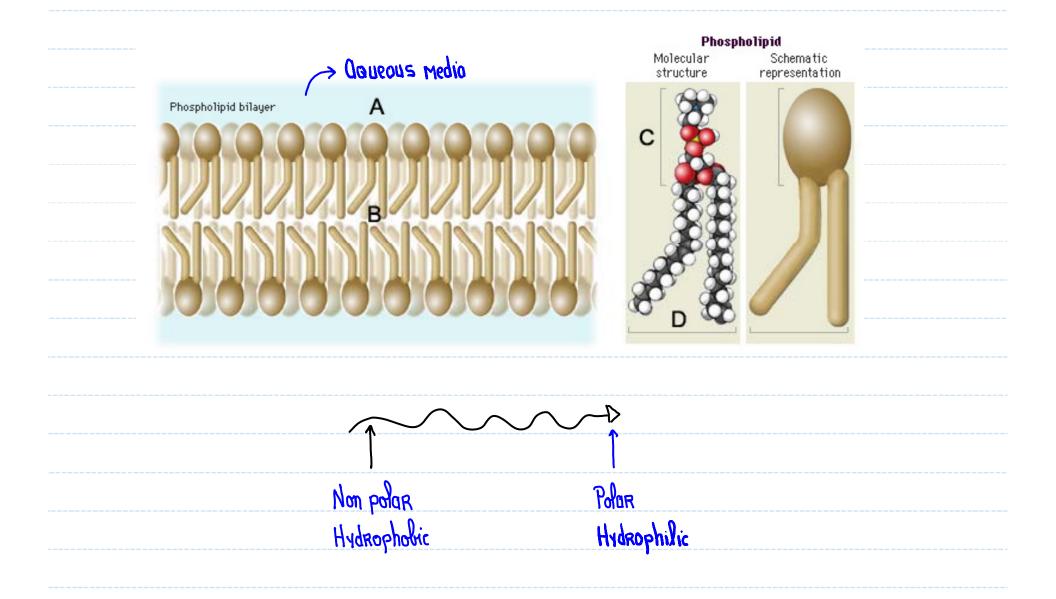


"Like dissolves like"





3.11 Consequence of Molecular Polarity





3.11 Consequence of Molecular Polarity

