.Lecture 1 .Date: 24-2-2025, Monday organic chemistry Ch-1 .Notes of the lecturer. These slides aren't sufficient for the examination purposes. C. >> .-> .->

oThe required things from the periodic table in our course to the last lecture

	· Approximate Shape.
1	
11	8
۶LI	34562
ĸ	C _N F
The	4 SCI
	<u>Br</u>
	I
~	\longrightarrow
	COLUMNS (Groups) Raws (periods)
In the Periolic Lohie	hore are
Metals Transition and the	shere are: nts (main exements)
Non-metals.like: Fo	
Metaloids slike: Sb. E	⊇∍ Øl •"
The number of valence	e electrons is equivalent to the number of the group.
Metals , Lose electr Non-metals, Gain elect	

-{→Negative Partial Charge.	(Che	emical bonds)	
+ S→Fositive Partial charge.	Ionic		pht (material and
The period of the second secon	TOPCIC ↓ metal_Non-metal	_	ent(Molecular)
	Ч.	-	metal + non-metal
to (O) and in the same	like:	• ((or) -	metal + metaloid
Way in both CN ⁵ and 5 [°] H		ons Polar	Non-Polar
Cataionse (In aur course	$-K(OH) \rightarrow Ana$	like: Č-cl	$1ikc \cdot c-c$
s 9 Nore (neglect) fl	Natoch3)	0-H	C-H
51 / IM C(10/ICC6) +	1E111.)		́ Н-Н
			According to the:
$= \mathcal{O}(\mathcal{B}(\mathcal{O}) + \mathcal{V}(\mathcal{O})) + \mathcal{O}(\mathcal{O}) $			Electionelativit
= lectrone ativit : It is the	abilit of an atom to r	Pull (attract) the bond's el	ectrons to its own 0
side as much a sit can for t	she longest Possible time.) 2
		• 1	100 NEIPFUI Chain: <u> ElectraneJatNi</u>
	- 1 1 1		I BrocloNoOF
=lectronelativit in the r	Periodic table:	Increases	
0		Increases	5
• Bond length: distance bet	ween two nuclei of a	toms.	
Bond length is inver	SIY Propertional with Bond length CCC=CCC=		cond (Ener) bond)
	The strength of the bond	→	
	the bond		
. Polarit of the bond			
15 linearly proportial with the			
difference in the electronegativit	}		
.The least Blar bond 18:		.The most Pol	at bond 15:
C-I) C-0 C-Br (O-H)→The	lithest one.	C-0 C-F C-N	
e least ference electrone at Nit	0.000		
electione ativity.		The highest difference in electronega	t IVIt 1
		0	

