	Name	Date	Period
	Molecular S	Structure and Bond Test	
	1. In order to be stable, the many electrons?	outer electron shell hydr	ogen should contain how
:	a. 2 b. 4	c. 8	d. 10
	2. In order to be stable, the period table should contain how many		the elements in the main
• • •	a. 2 b. 4	c. 8	d. 10
	a. one atom that donates electrons and b. 2 atoms that share electrons c. at least one metal		d. a and c e. b and c
	4. Covalent bonds are bonds b a. one atom that donates electrons and b. 2 atoms that share electrons c. at least one metal		d. a and c e. b and c
	5. Polar bonds are formed a. when one atom donates electrons an b. when two atoms pull equally on sha c. when two atoms pull unequally on s d. between two metals	red electrons	
	a. C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> b. CH <sub>3</sub> CH <sub>2</sub> OH		d. CH <sub>4</sub>
	7. How many valence electron b. 4	s does Carbon have in its c. 6	outer electron shell? d. 7
	a. 1 8. How many valence electron b. 2	s does Hydrogen have in c. 4	its outer electron shell? d. 7
	9. Which would show more Lora. CH <sub>4</sub> b. C <sub>8</sub> H <sub>18</sub> c. C <sub>4</sub> H	ndon Dispersion Forces? d. C <sub>25</sub> H <sub>52</sub>	
	a. $CH_4$ b. $C_8H_{18}$ c. $C_4H$	e a gas at room temperatur d. C <sub>25</sub> H <sub>52</sub>	re?

(#)		T. 4-1 4	7 4 4		,		, ,			
Formula	Structure	of e-	E.D.G. (no pic necessary)	# or bonding domains	# or non- bonding domains	3-D Structure	. Molceular Geometry	Approx Bond Angle	Hybridiz.  @ central atom	Polar Bonds? Dipole Moment? Yes or No?
1)										
TeO <sub>4</sub> <sup>2</sup> -						¢	·			
2)									,	
TeO <sub>3</sub>									·	
			· .							
3)									·	
$TeO_2$										
4										
${ m TeO_{3}}^{-2}$						,				
					***************************************					i
· જિ										
N <sub>3</sub> -1						-				***************************************