<b>WS 10</b> 1. Hydr	. <b>2 Ch</b> rogen h	i <mark>emical Bo</mark> nas how ma	nding in Alka ny outer-shell o	nes electrons?	Draw its elec	ctron dot formula:		
3. Carb	on like	s to have 8	outer-shell ele outer shell ele rbon happy? _	ctrons when	Draw its electrit forms molecule	ron dot formula: s. How many hydr	 ogens are	
Draw the electron-dot formula for 1 carbon atom with the proper number of hydrogens surrounding it to give carbon a total of 8 outer shell electrons:					A covalent bond is formed by two shared electrons. Re-draw the carbonhydrogen molecule, replacing the dots with bonds:			
4. Cor	nplete	the followin	ng <u>alkane</u> table	e: WRITE SM	ALL!			
Name	# of chemical carbons formula		structural formula				condensed formula	
	1	·						
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							

W	<b>VS</b>	10.4	OR	GA	NIC	NA	MING
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Name (yours):

Name	Complete structural formula	Line formula	Condensed structural formula	Mol. form
1) butane	- C-C-C-C-		CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub>	C4H <sub>10</sub>
2) heptane				
3) 2-fluorooctane				
4) 3-iododecane				
- 3				
5) 1,1,1 - tribromo- 2,2 difluoropropane				
6)	F CI I I I I I - C- C- C- C- I I I I			
7)	Br Br             C-C-C-C-Br 			
8)	- C-C-C-C-C-C-C-C-C-			
9)		~~~		
10)		F Br		
11)		~\\\\		
12)		/		
13)			CH3CHFCHFCH2CH3	
14)			CBr <sub>3</sub> CHF(CH <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> CH <sub>3</sub>	
15)				CH <sub>4</sub>