Chemistry 100

Name:____

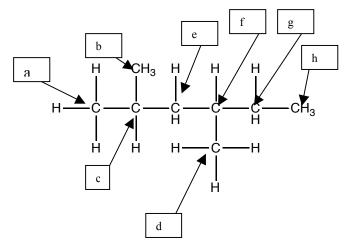
Worksheet 11

For the following, where the name is given, write the full structure showing all atoms and bonds. Where the structure is given, write the name using the rules shown in class.

	Name	Structure
1.		
		$\begin{array}{c} H_{3}C \longrightarrow \dot{C} \longrightarrow C \longrightarrow CH_{2} \\ \downarrow \qquad \downarrow$
2.		
		н₃сссн
		 Н СН ₃ Н
3.		
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
4.		
		H H CH2 Br I H H CH3
5.		
		н н—с—н І
6.		H H ₃ C—CH2
		CH2
7.		
		H_3C CH CH_2 H_2 H_2 CH_3
8.	2,3 dichloropentane	H_2 H_2 H_2 H_2
0.	2,5 diemoropentalie	
9.	2-methyl-3-hexene	
10	2-hexyne	
- 0.		
11	2-methyl-4-ethlheptane	
11.	2-methyl-4-ethineptane	
12.	3,3,6-trimethylnonane	

10.	5. Show 5 different ways to draw e_{5112} and name eden				
	Name:	Name:		Name:	
14. Show 5 different ways to draw C_6H_{14} and name each					
	Name:	Name:		Name:	
	Name:		Name:		

Label the following carbons as primary, secondary or tertiary:



a.	
b.	
c.	
d.	
e.	
f.	
g.	
h.	