Name:		

## **STRUCTURAL ISOMERS Experiment 12**

A. l	Briefly define structural isomers.					
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4	For each compound listed below:  1. Write molecular formula.  2. Write condensed formulas for all structural isomers of each compound.  (Not all boxes need to be used)  3. Name each isomer.					
a) Butane molecular formula:						
	Isomer 1	Isomer 2				
	Name:	Name:				
b) Pentane molecular formula:		lar formula:				
	Isomer 1	Isomer 2				
	Name:	Name:				
	Isomer 3	Isomer 4				
	Name:	Name:				

c)	Hexane	molecular formula:
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Isomer 1	Isomer 2
Name:	Name:
Isomer 3	Isomer 4
Name:	Name:
Isomer 5	Isomer 6
Name:	Name:

Questions:

1. Are isomers different compounds? Briefly explain justification to support your answer.

2. Draw condensed formulas and name all structural isomers of chloropentane.