Orga	nic: Alka	anes, Alkenes, Alkynes	5						
1.	An alkyne is represented by the molecular formula								
	a) c)	C_3H_6 C_5H_{12}	b) d)	C_4H_6 C_6H_6					
2.	Which of the following compounds is a saturated aliphatic ?								
	a) c)	$C_6H_5CH_3$ C_9H_{18}	b) d)	C_7H_{16} C_5H_8					
3.	The molecular formula for the <u>third member</u> of the alkyne series is								
	a) c)	$C_3 H_8$ $C_3 H_6$	b) d)	C_3H_4 C_4H_6					
4.	The c	The carbon-carbon bonds in benzene are							
	a) b) c) d)	b) identical to the carbon-carbon bonds in cyclohexenec) a hybrid between a double and single bonds							
5.	If alkanes, alkenes and alkynes are ranked from the most reactive homologous series to the least reactive homologou series, the order would be, and								
	a) b) c) d)	alkanes, alkenes, alky alkenes, alkynes, alka alkynes, alkenes, alka alkynes, alkanes, alka	anes anes						
6.	Consi	ider the following statem	ients.						

Number	Statement		
1	Alkanes prefer to undergo substitution with halogens.		
II	Alkenes prefer to undergo substitution with halogens		
III	Alkanes prefer to undergo addition with halogens.		
IV	Alkynes prefer to undergo addition halogens.		

The **false statements** are:

a)	I and IV	b)	I and II
c)	II and III	d)	II and IV

Solutions:

- 1. B
- 2. B
- 3. D
- 4. C
- 5. C
- 6. C