Name	Period		
Partner			
Organic l Prelab Questions 1) What is a structural isomer? Give an example	Isomers Lab e.		
2) What is a cis/trans stereoisomer? Give an ex	ample.		
Procedure Build the following molecules using the molecule each you need to build. Get them approved and correct model, draw a simple diagram of each second correct model.	stamped by the i	instructor. Once	you have the
1) C2H4Cl2 (two isomers)			
2) C4H ₁₀ (two isomers)		1a)	_1b)
3)C4H9OH (four isomers; must contain an -OH	group)	2a)	_2b)
(Hint: look at your answer to number 2 above.)			
3a)	_3b)	_3c)	_3d)

butyne	a straight chain, inc	ust contain a triple bond)
	4a)4b)
5) C4H8 (three isomers; must have all carbons i	n a straight chain; n	nust contain a double bond)
		,
	5a)5b	5c)
6) C6H14 (five isomers) (You don't have enoug have figured out all five, bring one over to the i make the other isomers.)	h pieces to build all	five at once. As soon as you
have figured out all five, bring one over to the i	h pieces to build all	five at once. As soon as you
have figured out all five, bring one over to the i	h pieces to build all	five at once. As soon as you
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have figured out all five, bring one over to the i	h pieces to build all	five at once. As soon as you
have figured out all five, bring one over to the i	h pieces to build all nstructor, show it an	five at once. As soon as you not then rearrange the pieces to