Name		

Date Due _____

Alkanes and Alkenes 2

1. What is the difference between an alkane and an alkene?

2. Complete the table...

Hydrocarbon	Saturated or Unsaturated	
Alkane		
Alkene		
Cycloalkane		

3. How can we tell the difference between alkanes and alkenes?

4. Complete the table (use a separate sheet if you need to!

neea to!		
Name	Full structural formula	Shortened Structural formula
Propene	H H H C=C-C-H H H	CH ₂ CHCH ₃
Ethene	H H	
But-1-ene	H H H H C=C-C-C-H H H H	
		CH₃CHCHCH₃
Pent-2-ene	H H H H H CCCCC	

4. Complete the table (use a separate sheet if you need to!

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	formula	Structural formula
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Ethene	H H	
But-1-ene	H H H H C=C-C-C-H H H H	
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Pent-2-ene	H H H H H H H H H H H H H H H	

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An alkene contains _____
to carbon double bonds whereas
an _____ does not.

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An alkene would turn _____ water from orange to colourless.

An _____ would have no effect on the _____ of bromine water.

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