

Name _____ Date Due _____

Alkanes and Alkenes 2

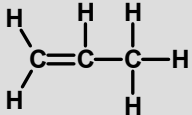
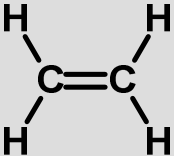
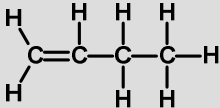
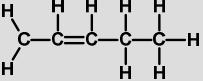
1. What is the difference between an alkane and an alkene?

2. Complete the table...

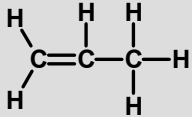
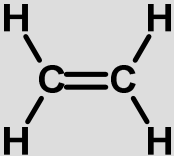
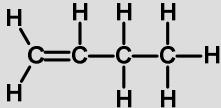
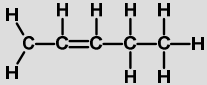
Hydrocarbon	Saturated or Unsaturated	General Formula
Alkane		
Alkene		
Cycloalkane		

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

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

Name	Full structural formula	Shortened Structural formula
Propene		CH₂CHCH₃
Ethene		
But-1-ene		
		CH₃CHCHCH₃
Pent-2-ene		

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

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

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

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Hydrocarbon	Saturated or Unsaturated	General Formula
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An alkene would turn _____
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An _____ would have no effect
on the _____ of bromine water.

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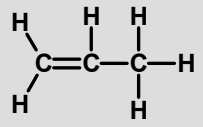
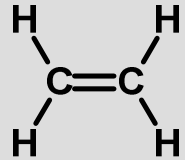
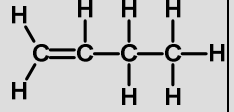
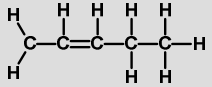
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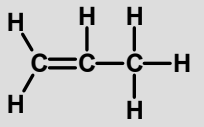
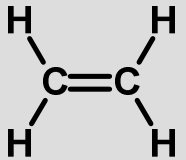
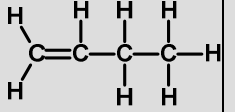
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