

Do Now:

Draw and name a 6 carbon Alkane, alkene and alkyne

Aim: What are Isomers?

Isomers are \_\_\_\_\_  
\_\_\_\_\_

Draw 3 isomers of pentene



Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

## Isomer Homework

1.) What homologous series is  $C_9H_{20}$  a part of? \_\_\_\_\_

2.) Is  $C_9H_{20}$  a saturated or unsaturated hydrocarbon? \_\_\_\_\_

3.) Draw and name 4 different isomers of  $C_9H_{20}$

<p>IUPAC Name: _____</p>	<p>IUPAC Name: _____</p>
<p>IUPAC Name: _____</p>	<p>IUPAC Name: _____</p>

4.) What homologous series is  $C_5H_8$  a part of? \_\_\_\_\_

5.) Is  $C_5H_8$  a saturated or unsaturated hydrocarbon? \_\_\_\_\_

6.) Draw and name 2 isomers of  $C_5H_8$ :

<p>IUPAC Name: _____</p>	<p>IUPAC Name: _____</p>
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7.) Draw and name 2 isomers of 2,3 dimethyl butane:

<p>IUPAC Name: _____</p>	<p>IUPAC Name: _____</p>
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