

Name \_\_\_\_\_

(1 point) Circle one:    MW lab 12:50-4:00    TTH 7:50-11:00    Lecture Only

Please print your name on the top of this form, circle one of the above choices, and staple this form to your HW.

**Note: Most of the Diels-Alder product will have enantiomers unless the products are meso. Remember that all of the DA reactions we can have top/bottom reaction orientation.**

### Chapter 15 HW

#### 6<sup>th</sup> Edition

<b><u>Problems within text sections</u></b> (15-2): <b>1, 2</b> (15-4): <b>4, 5 (each has enantiomer)</b> (15-5): <b>7 (a,d (3-buten-2-ol has enant.))</b> (15-6): <b>8 (product A has one more product)</b> (15-7): <b>10 (3-bromo-1-hexene has enant), 11 (a, b, c (a and b have enant., you could also get primary products too...))</b> (15-11): <b>15, 16 (a, b, c), 18 (a, b, c)</b>	<b><u>Problems at the end of the chapter:</u></b> 24, 25(b(+ enant.), c, d, (first one has enant.), e (first one has enant.), g (second one + enant.), h (+en.)), 27, 29 (actually four products), 30 (a (+ enant), b, c (+en), d (+ enant), e), 31.
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#### 7<sup>th</sup> Edition

<b><u>Problems within text sections</u></b> (15-2): <b>1, 2</b> (15-4): <b>4, 5 (each has enantiomer)</b> (15-5): <b>7 (a,d (3-buten-2-ol has enant.))</b> (15-6): <b>8 (product A has one more product)</b> (15-7): <b>10 (3-bromo-1-hexene has enant), 11 (a, b, c (a and b have enant., you could also get primary products too...))</b> (15-11): <b>15, 16 (a, b, c), 18 (a, b, c)</b>	<b><u>Problems at the end of the chapter:</u></b> 24, 25(b(+ enant.), c, d, (+ enant.), e (first one has enant.), g (second one + enant.), h (+ en.)), 27, 30 (a (+ enant), b, c(+enan), d (+ enant), e), 31.
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