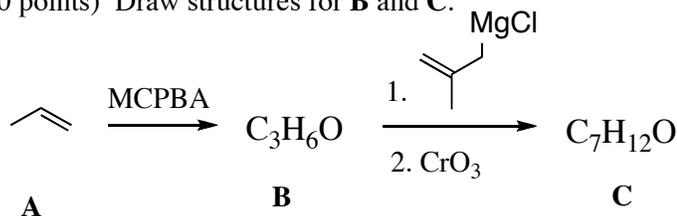


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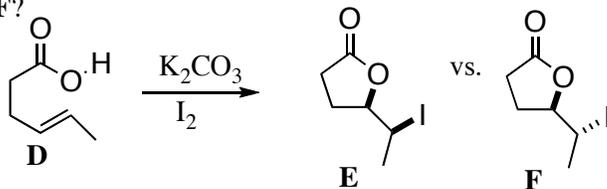
Homework #7

due: 10 a.m. Mon. Oct 30th

1. (10 points) Draw structures for **B** and **C**.

$^{13}\text{C}$ NMR:	$^1\text{H}$ NMR:
208.1, s	1.72, s, 3H
144.3, s	2.12, s, 3H
110.1, t	2.37, t, J = 6.7 Hz, 2H
41.9, t	2.58, t, J = 6.7 Hz, 2H
31.5, t	4.66, s, 1H
29.8, q	4.72, s, 1H
22.6, q	

2. (10 points each) Draw an arrow-pushing mechanism for the transformation of **D**. Which is formed, **E** or **F**?



3. (10 points) Draw a scheme for converting **G** into **H**. You may use any other piece that contributes three or fewer carbons to the final product.

