

1. Consider the structures above:

a. Which ones are carboxylic acids? (3 pts)

a, h

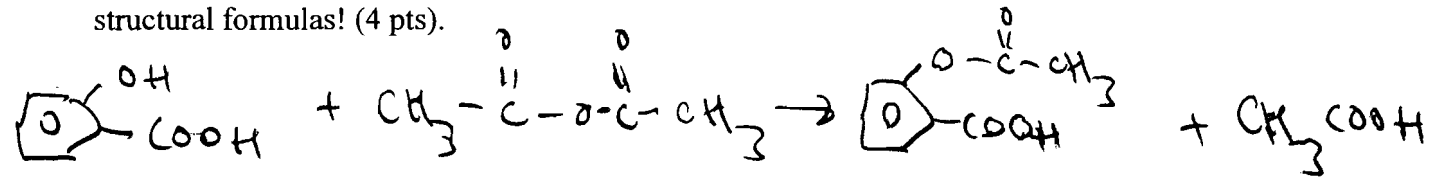
b. Which ones are acid anhydrides? (3 pts)

b

c. Which ones are esters? (3 pts)

c, d, f

2. Show a balanced equation for the synthesis of aspirin from salicylic acid. Use structural formulas! (4 pts).



3. How many moles of sulfuric acid did your reaction consume for each mole of aspirin prepared? (2 pts).

0, none