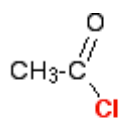


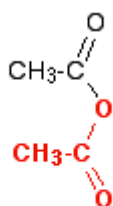
Chemguide – questions

ACID ANHYDRIDES: INTRODUCTION

- What intermolecular forces are present in liquid ethanoic anhydride?
 - Why does ethanoic anhydride smell strongly of vinegar?
 - Why is it impossible to talk about the solubility of ethanoic acid in water?
- The following diagram is taken from the Chemguide page, comparing the structures of ethanoyl chloride and ethanoic anhydride:



ethanoyl chloride



ethanoic anhydride

Explain how this comparison with ethanoyl chloride helps to make sense of the reactions of ethanoic anhydride.