

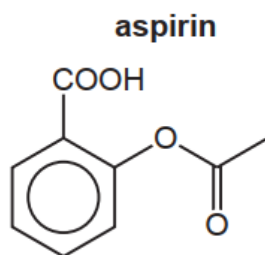
## 33.2 ESTERS

### Learning outcomes

Candidates should be able to:

- recall the reaction by which esters can be produced:  
(a) reaction of alcohols with acyl chlorides using the formation of ethyl ethanoate and phenyl benzoate as examples

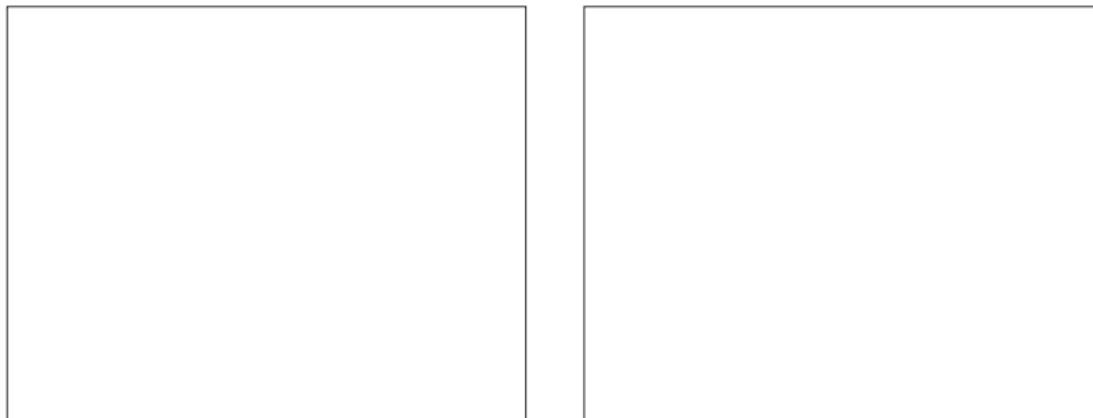
- Aspirin is a weak Brønsted–Lowry acid.



(ii) Aspirin undergoes acid hydrolysis in the stomach.

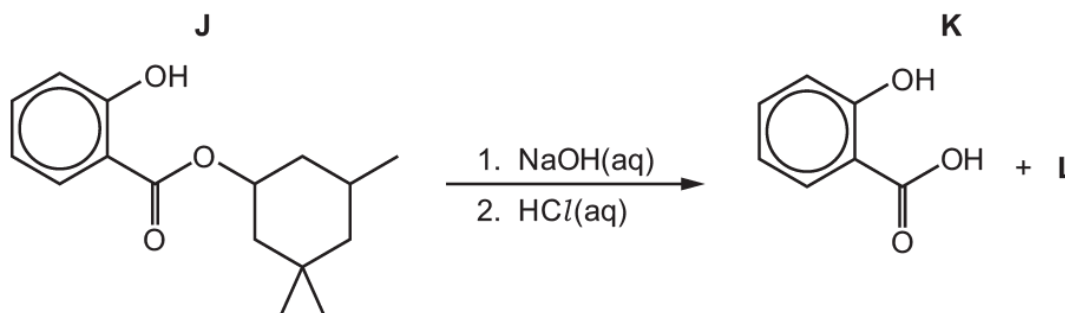
Give the structures of the organic products of this acid hydrolysis.

[2]



- J** reacts under suitable conditions with NaOH(aq).

After acidification of the reaction mixture, compounds **K** and **L** form.



(i) Give the molecular formula of **L**.

..... [1]

(ii) State the **two** types of reaction that occur when **J** reacts with NaOH(aq).

1 .....

2 ..... [2]

\*\*\*This is not a complete note. It is just to guide you. It is recommended to study the prescribed textbooks along with this material. \*\*\*