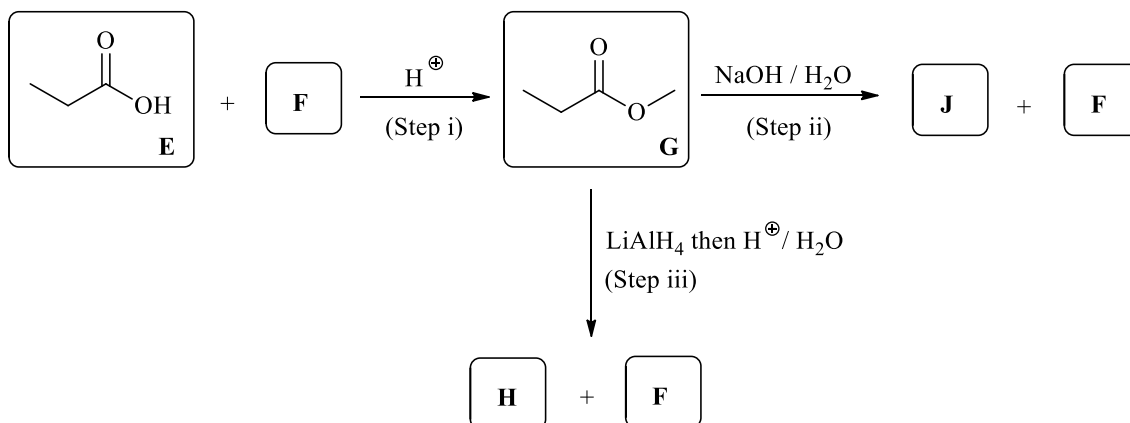


**Marks**  
**6**

- Consider the following reaction sequences beginning with the carboxylic acid, **E**.



Name compounds **E** and **G**.

**E**:

**G**:

Propose structures for compounds **F**, **H** and **J**.

| <b>F</b> | <b>H</b> | <b>J</b> |
|----------|----------|----------|
|          |          |          |

Propose a mechanism for step (ii).