• The incomplete proposed mechanism for the reaction of acetyl chloride with ammonia is shown below. Complete the mechanism by adding curly arrows to illustrate the bonding changes that take place.

Marks 5

$$\begin{array}{c} O \\ O \\ CI \\ \vdots NH_3 \end{array}$$

$$\vdots NH_3 \\ O \\ CI \\ \bullet \\ H \end{array}$$

$$\vdots NH_3 \\ O \\ CI \\ \bullet \\ H \end{array}$$

$$\downarrow H$$

THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.