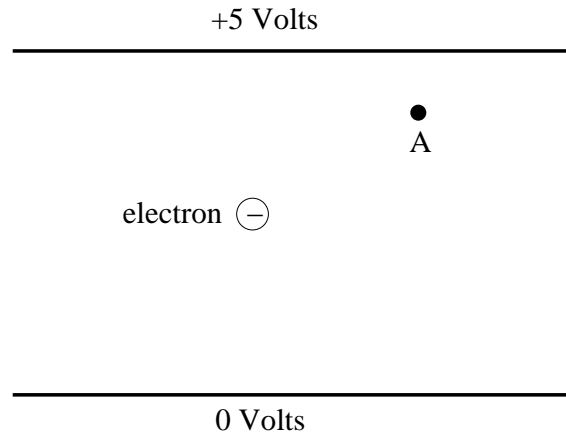


Names

Group



The above shows a picture of an electron between two conducting plates. The point A is just a labelled point, there is no charge sitting there.

Answer the following questions at both the point A and at the position of the electron. Note that there may not always be an answer! If you think a part of a question does not have an answer, then explicitly write “cannot be done”. Do not worry about working out the numbers, but draw your vectors to scale.

1. Draw and label the *electric field vector* at the position of the electron and at the point A (if you can).
2. Draw and label the *electric force vector* at the position of the electron and at the point A (if you can).