

2 A stationary electron is in a uniform field of force.

- (a)** Describe the direction of the force on the electron relative to the direction of the field if the field is

- (i) a gravitational field,

[1]

- (ii) an electric field,

[1]

- (iii) a magnetic field.

[1]

- (b)** Describe and explain the path the electron will take when it moves at right angles to each field.

[5]

[Total: 8]