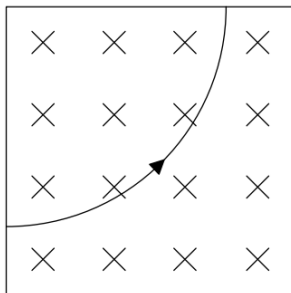


- 24** A particle is in a region of uniform magnetic field. The field is directed into the plane of the page. The path of this particle is shown in the figure below.



What is this particle and what is the direction of the electric field for it to pass through with no deflection?

	This particle is	Direction of electric field is
A	a positive ion	upwards
B	a positive ion	downwards
C	an electron	upwards
D	an electron	downwards

- 25** A particle of mass m and charge q is moving in a uniform magnetic field B directed into the page. The path of the particle is shown in the figure below. The particle is moving with a constant speed v . The magnetic field is directed into the page. The path of the particle is shown in the figure below.