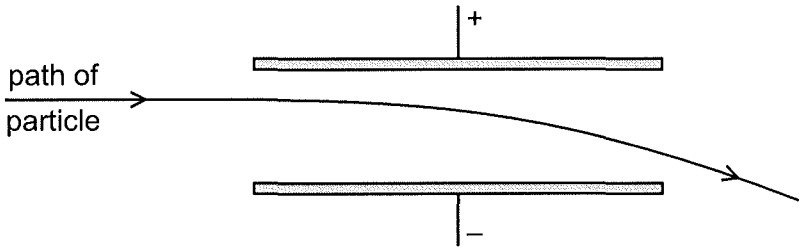
24 A charged particle is travelling at constant speed in a straight line in a vacuum. It enters the region between two charged plates and is deflected as shown.



The electric field between the plates is now increased in magnitude.

Which change, if any, occurs to the speed and to the path of the particle between the plates?

	speed	path in the electric field
A	increases	decreased radius of circular arc
B	increases	greater deflection of parabolic path
C	unchanged	decreased radius of circular arc
D	unchanged	greater deflection of parabolic path