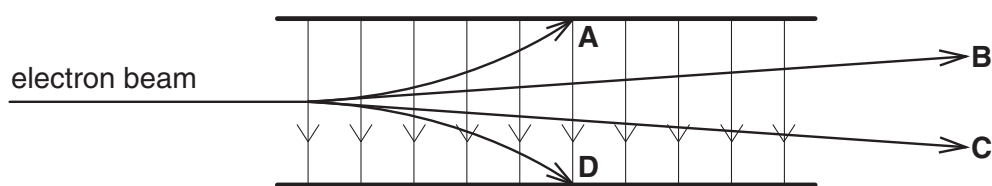
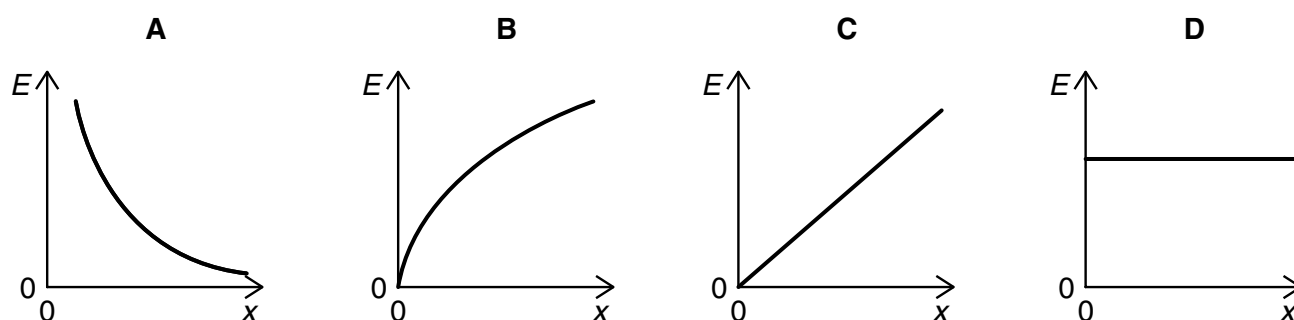


36 Which path shows a possible movement of an electron in the electric field shown?



37 Two parallel conducting plates are connected to a battery, one plate to the positive terminal and the other plate to the negative. The plate separation is gradually increased, the plates remaining connected to the battery.

Which graph shows how the electric field  $E$  between the plates depends on the plate separation  $x$ ?



38 Which set of radioactive emissions corresponds to the descriptions given in the table headings?

	high-speed electrons	high-speed helium nuclei	high-frequency photons
<b>A</b>	$\alpha$	$\beta$	$\gamma$
<b>B</b>	$\alpha$	$\gamma$	$\beta$
<b>C</b>	$\beta$	$\alpha$	$\gamma$
<b>D</b>	$\beta$	$\gamma$	$\alpha$