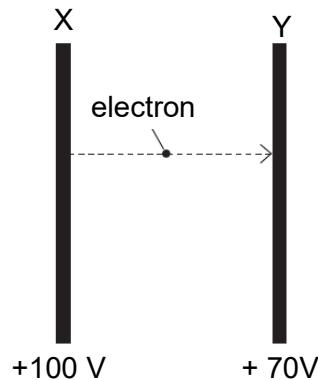


- 19** Two fixed parallel metal plates X and Y are at constant potentials of +100 V and +70 V respectively. An electron travelling from X to Y experiences a change in potential energy ΔE_p .



Which row shows correctly the direction of the electrostatic force F on the electron and the value of ΔE_p ?

	direction of F	ΔE_p
A	towards X	+30 eV
B	towards Y	-30 eV
C	away from X	+30 eV
D	away from Y	-30 eV