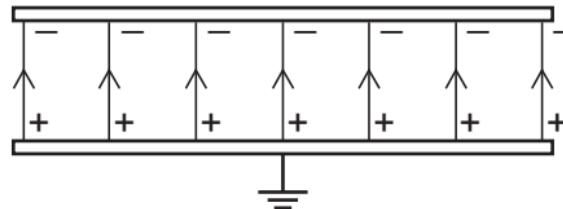


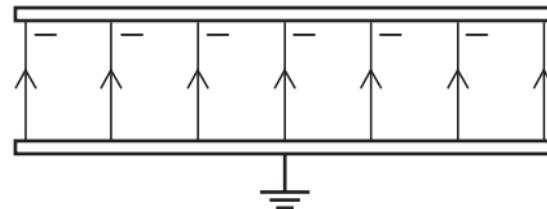
- 30 Two parallel, conducting plates with air between them are placed close to one another. The top plate is given a negative charge and the bottom one is earthed.

Which diagram best represents the distribution of charges and the field between the plates?

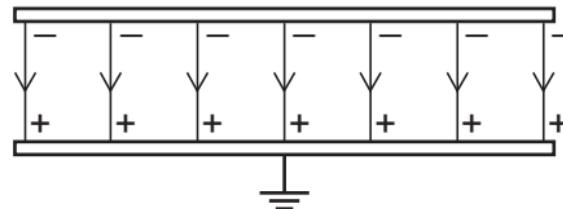
A



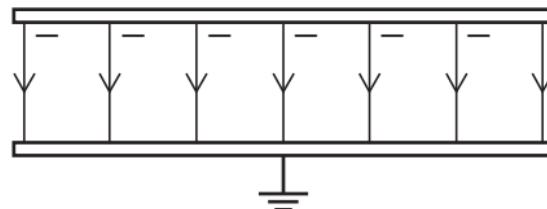
B



C



D



- 31 In terms of energy transfer W and charge q , what are the definitions of potential difference (p.d.)