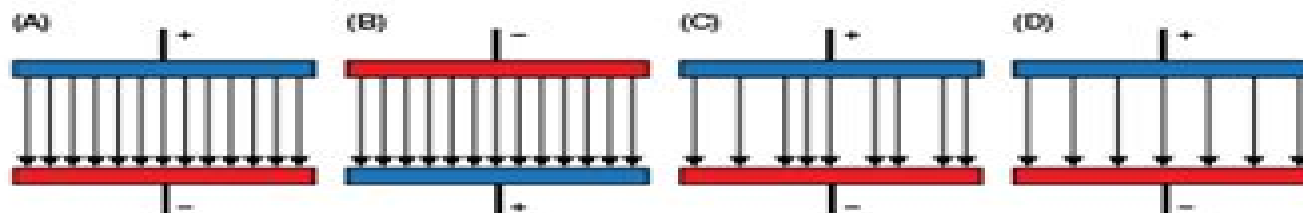


## Sample Questions

1. (a) Which of the following fields between the parallel plates is correct and the strongest?



- (b) Which of the fields above are represented correctly?
2. An electron is about to enter and pass through the electric field between the parallel plates shown below. Draw in its path through the field and after it leaves the field.



3. What is the charge on the particle in this diagram? Justify your answer.



4. (a) Draw in the field lines between the parallel plates shown. Justify your answer.  
 (b) What would these field lines look like if the voltage between the plates was doubled?  
 (c) What would these field lines look like if the distance between the plates was doubled?  
 (d) Why should you have drawn your field lines equidistant apart?



# Masteringphysics Solution Manual

**R Bogdan**



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