

horizontal

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object in which a second charged object experiences
A small positive charge used to test electric fields. It's "Test charge small enough that it's own charge does not distort the Test charge
field it is testing. Electric Field Diagrams
1. Electric field around a positively charged object 2. Electric field around a negatively charged object 3. Electric field around unlike charges
4. Electric field around two positive charges  5. Electric field around two negative charges  6. Electric field between two oppositely charged parallel p.
regas field is uniform between the plate.  50 Fe is constant
Properties of Electric Field Lines
a) They show the <u>direction of net force on a Small</u> (out of positive, into negative).  Positive test charge
b) They NOVEN since this would indicate that the resultant force is in two different directions at once.
c) The direction of the electric field at any point is tangent to the field lines
d) The density of the field lines is proportional to the strength of the field (density). The field is most intense where the field lines are most dense.