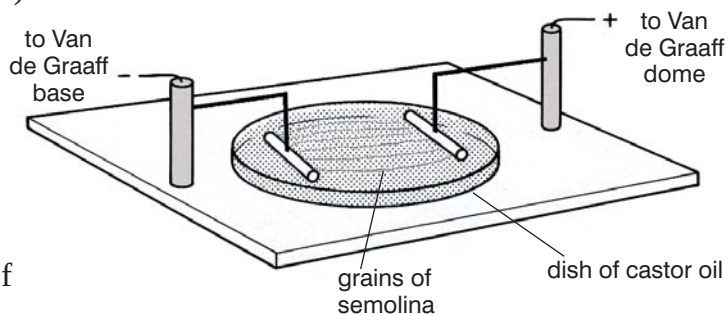
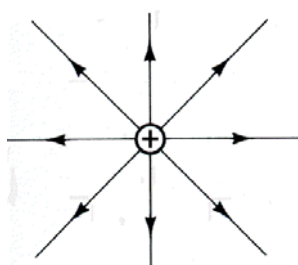


A charged object (like a Van de Graaff generator) has an **electric field** round it.

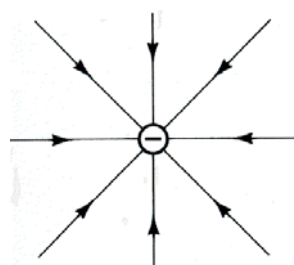
In the photo on page 248, the girl's hair is showing the shape of the electric field round her head.



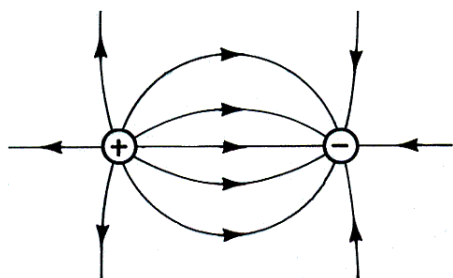
Investigating an electric field



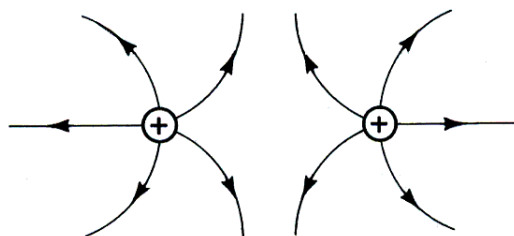
Single point charge (positive)



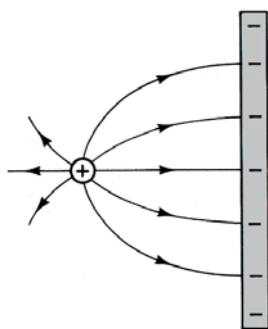
Single point charge (negative)



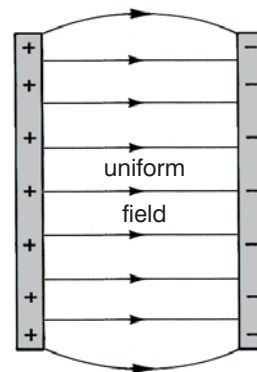
Positive and negative charges



Two positive charges



Point + charge and a negative plate



Two parallel plates (+ and -) give a uniform electric field
see page 251, 315

The electric field inside a conductor is always zero.
So in a thunderstorm, the inside of a metal car is a safe place to be.