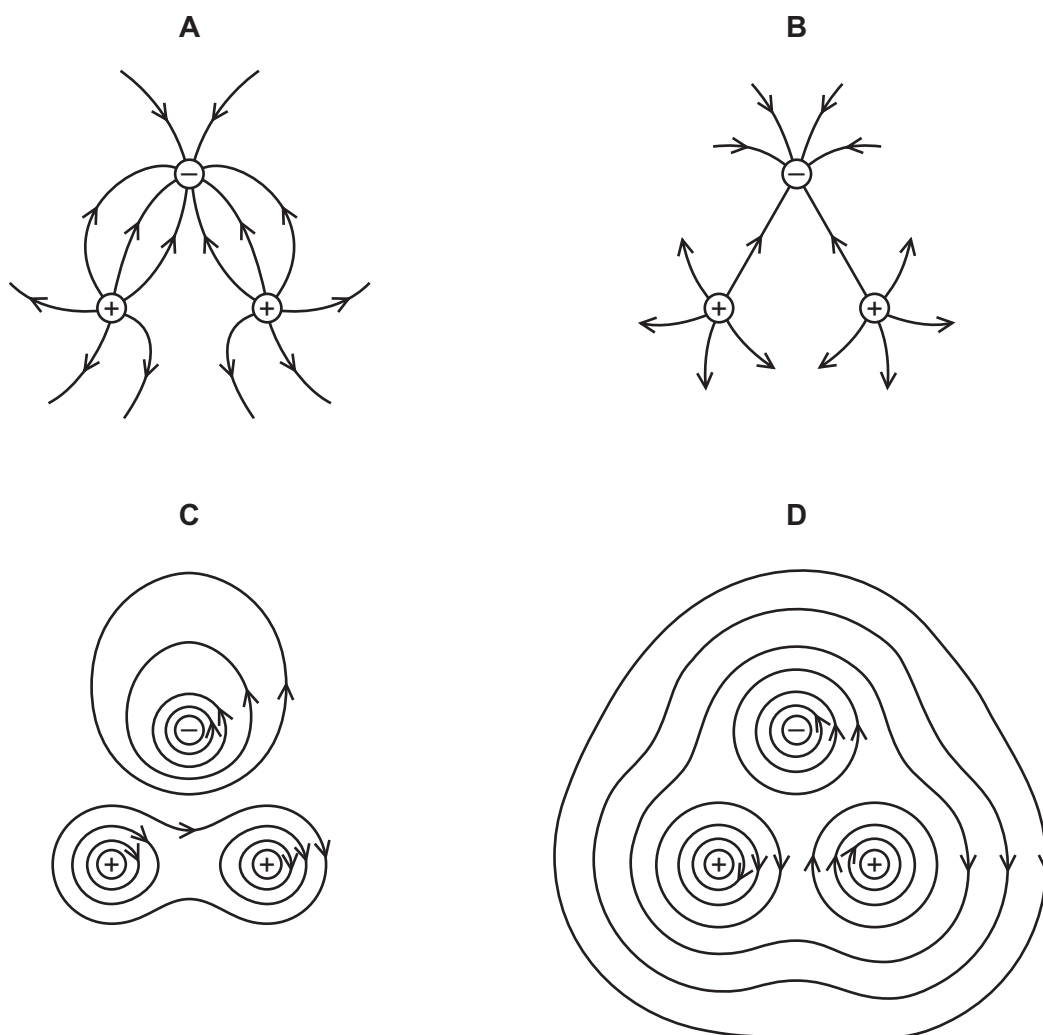
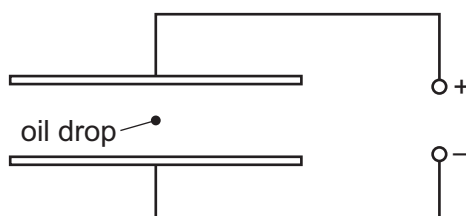


- 30 Two positive charges and one negative charge, all of equal magnitude, are set at the corners of an equilateral triangle.

Which diagram represents the electric field surrounding the charges?



- 31 A negatively charged oil drop is held stationary, equidistant between two plates connected to a high voltage supply, as shown.



Which change would **not** increase the upward electrical force on the drop?

- A decreasing the distance between the plates whilst keeping the drop equidistant from them
- B increasing the amount of negative charge on the drop
- C increasing the supply voltage
- D moving the drop closer to the positive plate