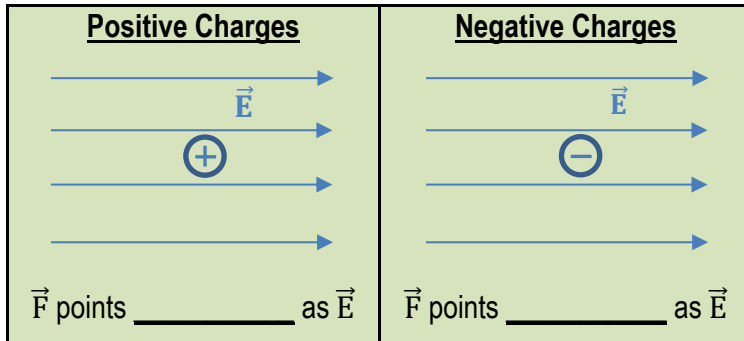
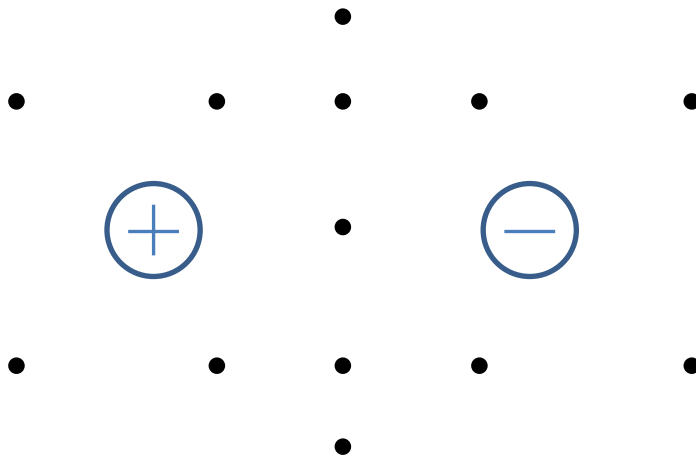


CONCEPT: ELECTRIC FIELD LINES

- Recall that electric field lines point [**FROM** | **TO**] positive charges and [**FROM** | **TO**] negative charges.
- Electric Field lines give the direction a *positive* charge would go:



EXAMPLE: a) Draw the field lines for an electric dipole. b) In what direction would an electron directly between this electric dipole be accelerated?



PRACTICE: FIELD LINES OF TWO IDENTICAL, POSITIVE CHARGES

Draw the field lines for a pair of identical, positive charges.



EXAMPLE: FIELD LINES OF ELECTRIC QUADRUPOLE

Draw the electric field lines for the four charges shown below. This arrangement is known as an electric quadrupole.

