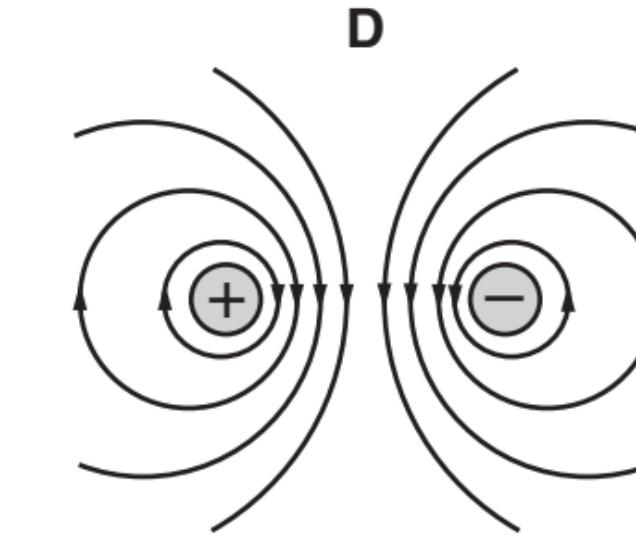
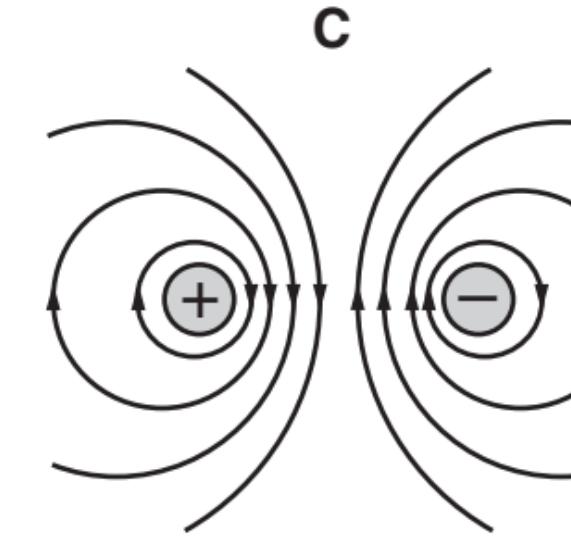
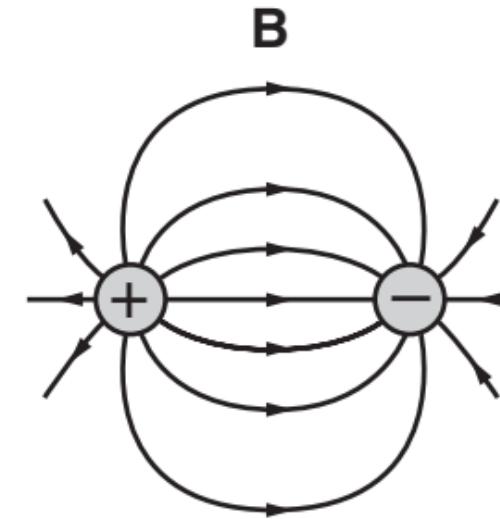
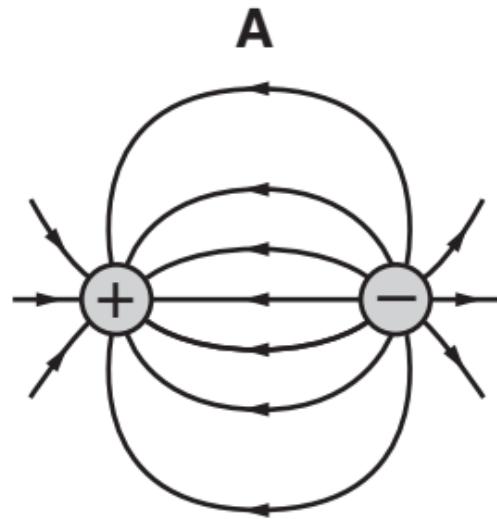


37 A positive charge and a negative charge of equal magnitude are placed a short distance apart.

Which diagram best represents the associated electric field?



38 In what way do the atoms of the isotopes ^{12}C , ^{13}C and ^{14}C differ?