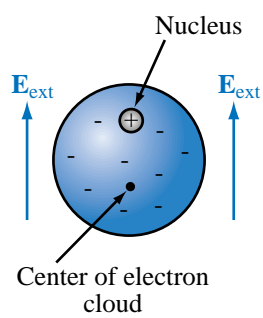
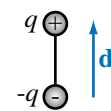


(a)  $E_{\text{ext}} = 0$



(b)  $E_{\text{ext}} > 0$



(c) Electric dipole

Figure 4.16