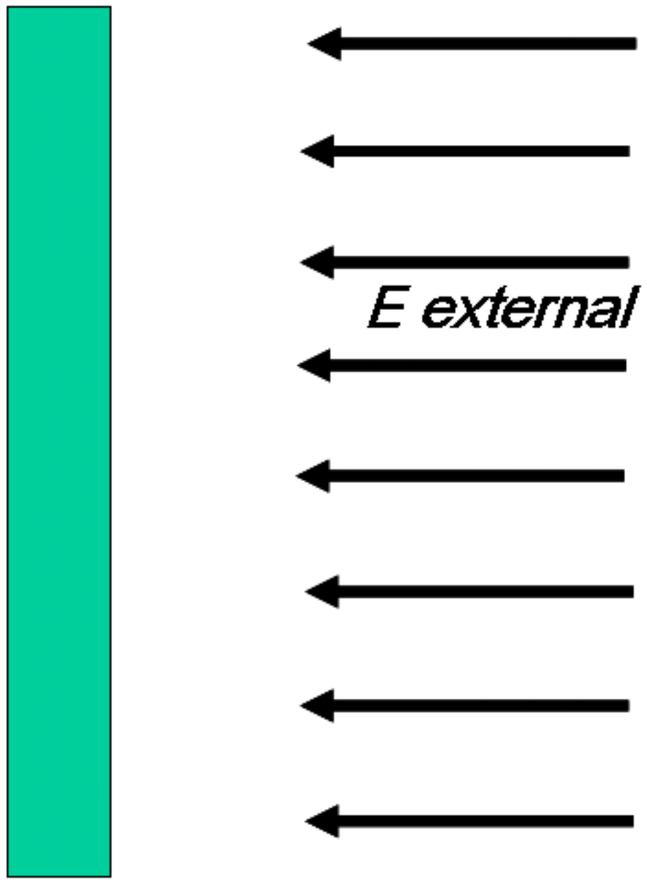
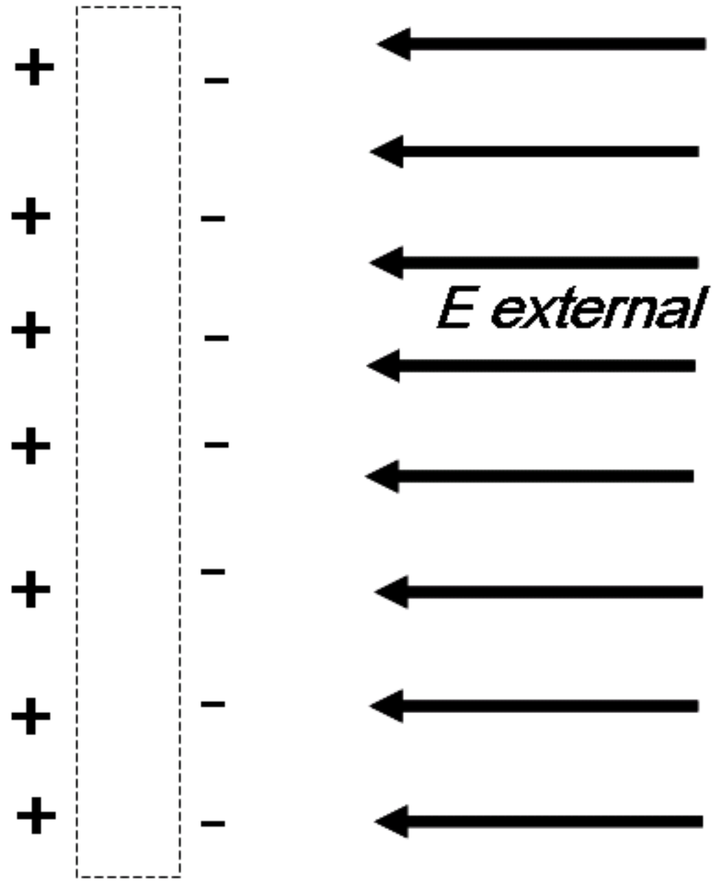
a) original



b) charge equivalent