# 17 Electric fields

17.1 Concept of an electric field

17.2 Uniform electric fields

(a) show an understanding of the concept of an electric field as an example of a field of force

and define electric field strength as force per unit **positive** charge.

(b) represent an electric field by means of field lines.

(c) recall and use E = V/d to calculate the field strength of the uniform field between charged

parallel plates in terms of potential difference and separation.

(d) calculate the forces on charges in uniform electric fields.

(e) describe the effect of a uniform electric field on the motion of charged particles.

# Paper 1 Questions

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# Paper 2 Questions

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