

IGCSE Physics (9-1) Specification 2(d)

(d) Electric charge

Students should:

- 2.22P** identify common materials which are electrical conductors or insulators, including metals and plastics
- 2.23P** practical: investigate how insulating materials can be charged by friction
- 2.24P** explain how positive and negative electrostatic charges are produced on materials by the loss and gain of electrons
- 2.25P** know that there are forces of attraction between unlike charges and forces of repulsion between like charges
- 2.26P** explain electrostatic phenomena in terms of the movement of electrons
- 2.27P** explain the potential dangers of electrostatic charges, e.g. when fuelling aircraft and tankers
- 2.28P** explain some uses of electrostatic charges, e.g. in photocopiers and inkjet printers

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