

**GCSE Physics A (Gateway)**

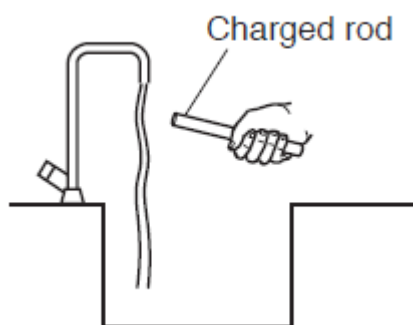
**J249/03 Physics A P1-P4 and P9 (Higher Tier)**

**Question Set 3**

1

This question is about electrostatic charges.

A charged rod is brought towards a gentle stream of water from a tap.



(a) Explain how the charged rod affects the stream of water.

[3]

(b) (i) Write down the conditions needed for charge to flow through a conductor.

[2]

(ii) Calculate the charge that flows past a point in a circuit with a 5.0A current for five minutes.

Answer = ..... C

[4]

**Total Marks for Question Set 3: 9**

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