

GCSE Physics B (Twenty First Century Science)
J259/04 Depth in physics (Higher Tier)

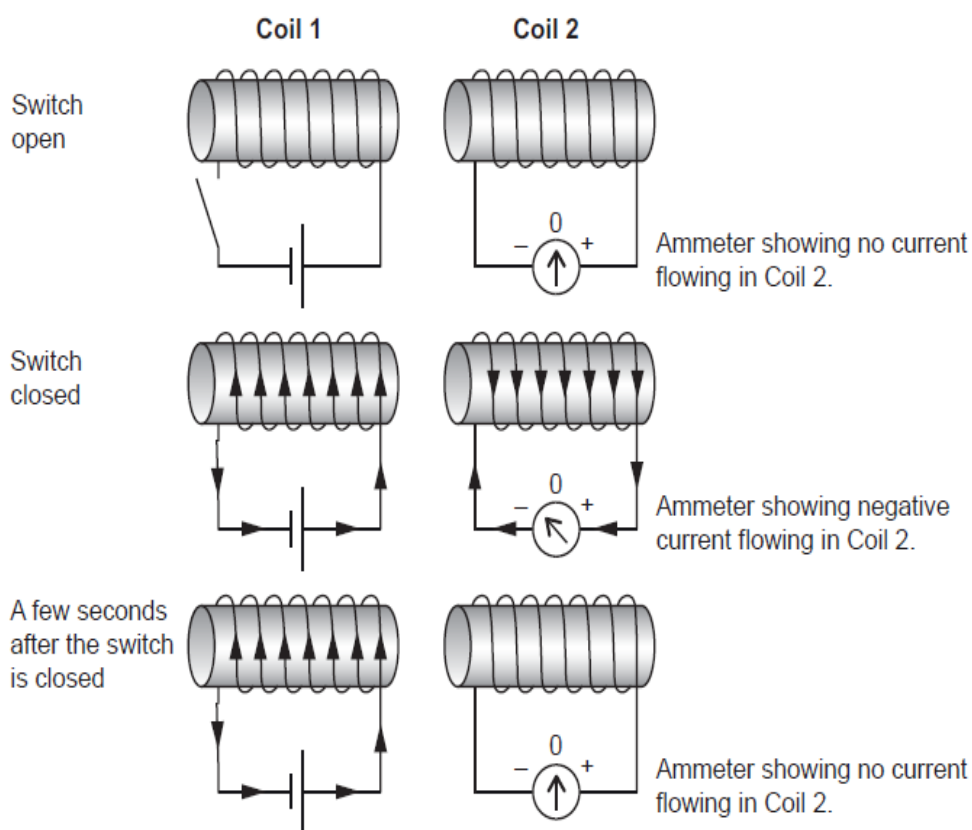
Question Set 31

1 Eve is investigating electromagnetic induction using two coils of wire that are placed close together.

Coil 1 is connected to a cell and a switch.

Coil 2 is connected to a zero-centre ammeter, which can show zero, positive or negative current flowing.

Eve's observations are shown in the diagrams below.



(a) Explain why negative current flows in Coil 2 when the switch is closed. [4]

(b) Explain why no current flows in Coil 2, a few seconds after the switch is closed. [2]

Total Marks for Question Set 31: 6

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