

How do transformers work?

Put the statements in the correct order:

- A. The **alternating magnetic field** in the secondary coil induces an **alternating potential difference** between the terminals of the secondary coil.
- B. When an **alternating current** passes through the primary coil an **alternating magnetic field** is generated in the iron core.
- C. If the circuit is complete the induced **alternating potential difference** causes an **alternating current** in the secondary coil.
- D. The lines of alternating magnetic field in the iron core pass through the secondary coil.
- E. Energy is passed from the primary coil to the secondary coil even though they are not electrically connected in the same circuit.

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