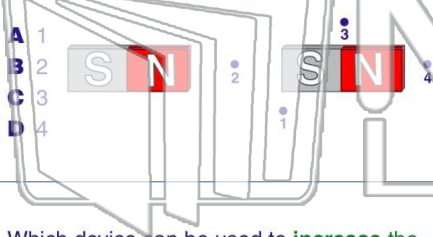




Name _____ Class _____ Date _____

1 The bar magnets of equal strength are positioned as shown.

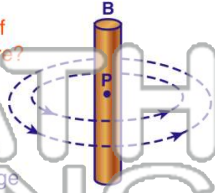
At which point is the **magnetic flux density** due to the two magnets **greatest**?



2 The diagram below represents the magnetic field around point P, at the center of a **current carrying wire**.

What is the **direction of electron flow** in the wire?

- A from A to B
- B from B to A
- C from P into the page
- D from P out of the page



3 Which device can be used to **increase** the **voltage** from a source of direct current?

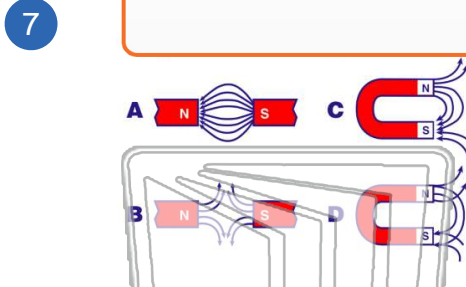
A electrocyclo

4 The transformer on a power pole **steps down** the voltage from 10,800 volts to 120 volts. If the **secondary coil** contains 360 turns, how many turns are on the **primary coil**?



PREVIEW

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- A chemical potential energy
- B induced electrical energy
- C elastic potential energy

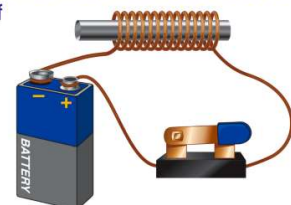


9 As a **charged particle** moves through a magnetic field, the particle is **deflected**. The **magnitude of the magnetic force** acting on the particle is **directly proportional** to the

- A mass of the particle
- B electric charge on the particle
- C polarity of the magnetic field
- D work done on the charge by the magnetic field

10 An **electromagnet** would have the **greatest strength** if its wire were wrapped around a **core** made of

- A wood
- B iron
- C aluminum
- D copper

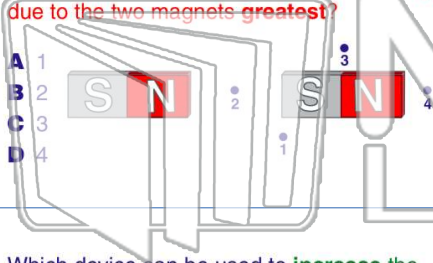




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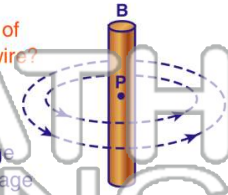
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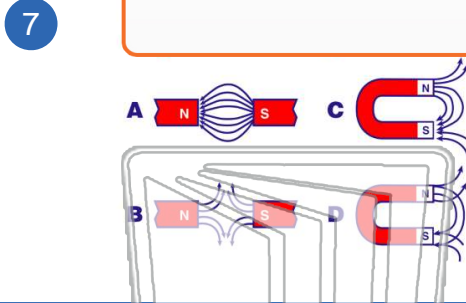
A electrocopper

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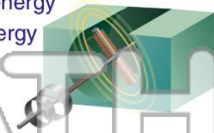


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