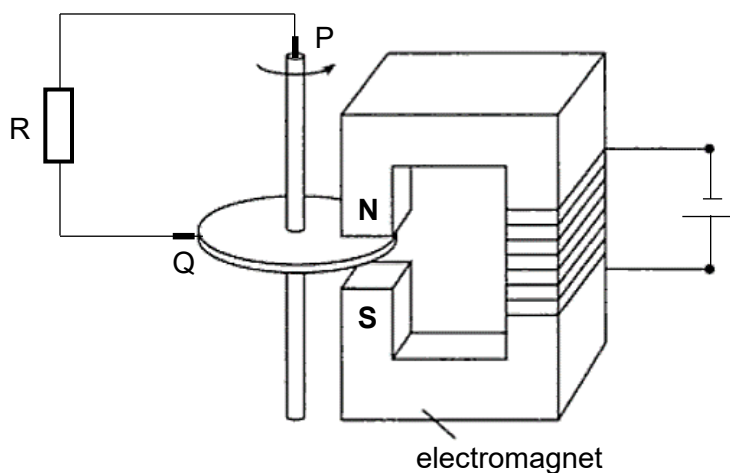


- 26** A copper disc spins freely between the poles of an electromagnet at a constant speed. P and Q are two metallic brushes making contact with the axle and the edge of the disc as shown in the diagram. A resistor R is connected across P and Q.



Which of the following statements is correct?

- A** A current flows from P through R to Q, and P is at a higher potential than Q.
- B** A current flows from Q through R to P, and Q is at a higher potential than P.
- C** A current flows from P to Q in the disc, and P is at a higher potential than Q.
- D** A current flows from Q to P in the disc, and Q is at a higher potential than P.