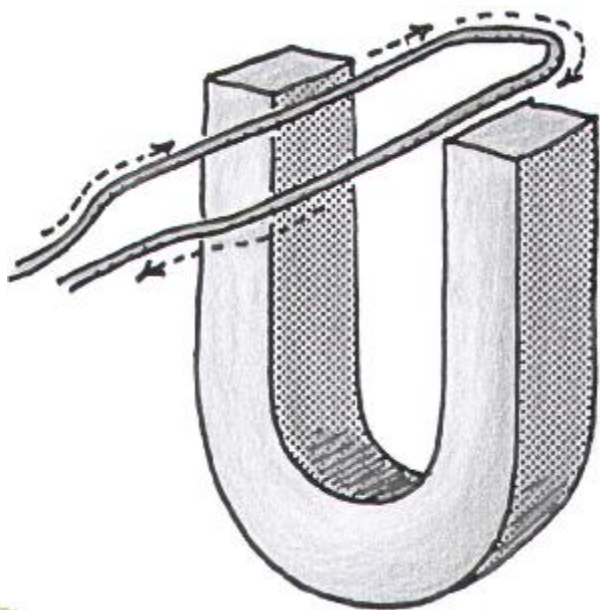
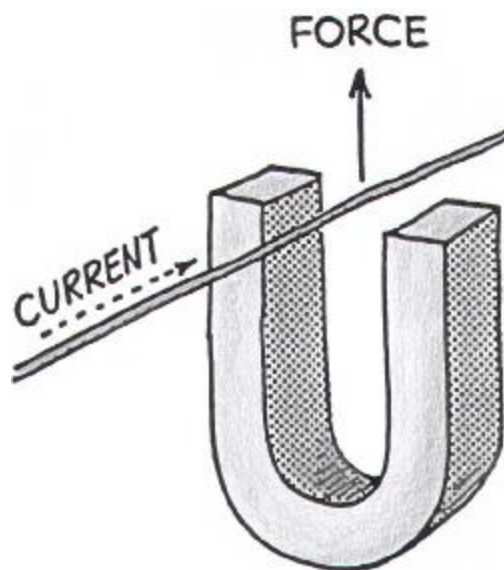


NEXT-TIME QUESTION

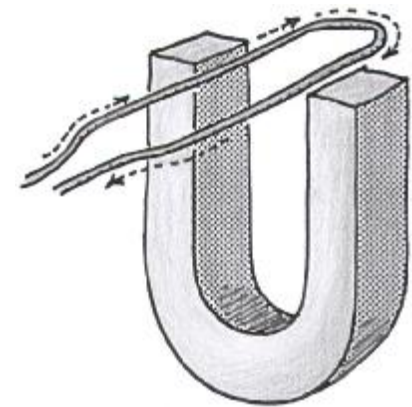
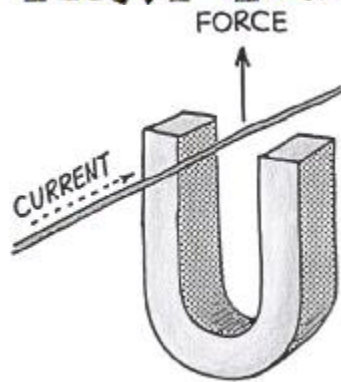
When current flows in the wire that is placed in the magnetic field shown, the wire is forced upward. If the wire is made to form a loop as shown below, the loop will tend to



- a) rotate clockwise.
- b) rotate counterclockwise.
- c) remain at rest.

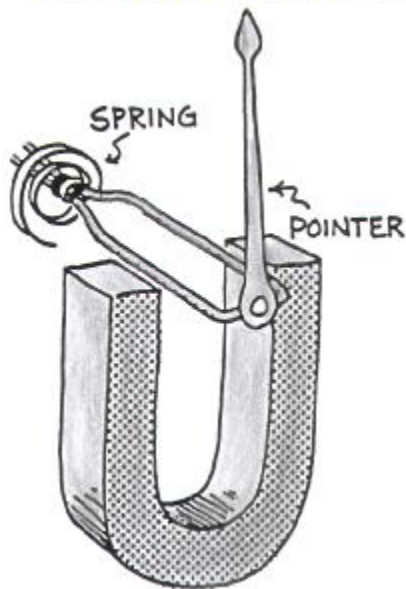


NEXT-TIME QUESTION



Answer: a, rotate clockwise

The left side is forced up while the right side is forced down as shown. If you make the loop rotate against a spring and attach a pointer to it, you have a simple electric meter. At maximum it can only make a half turn.



But if you make the current change direction (alternate) at every half turn, it will rotate continuously as long as the alternating current persists. Then you have a motor.

