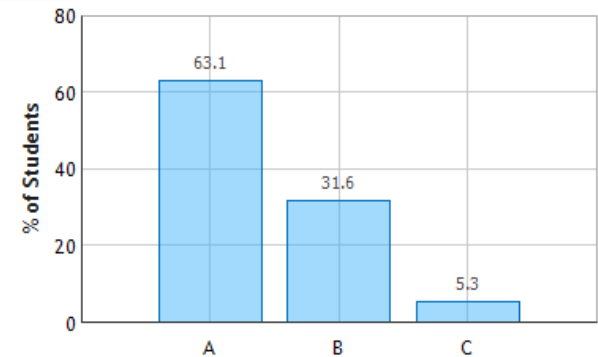
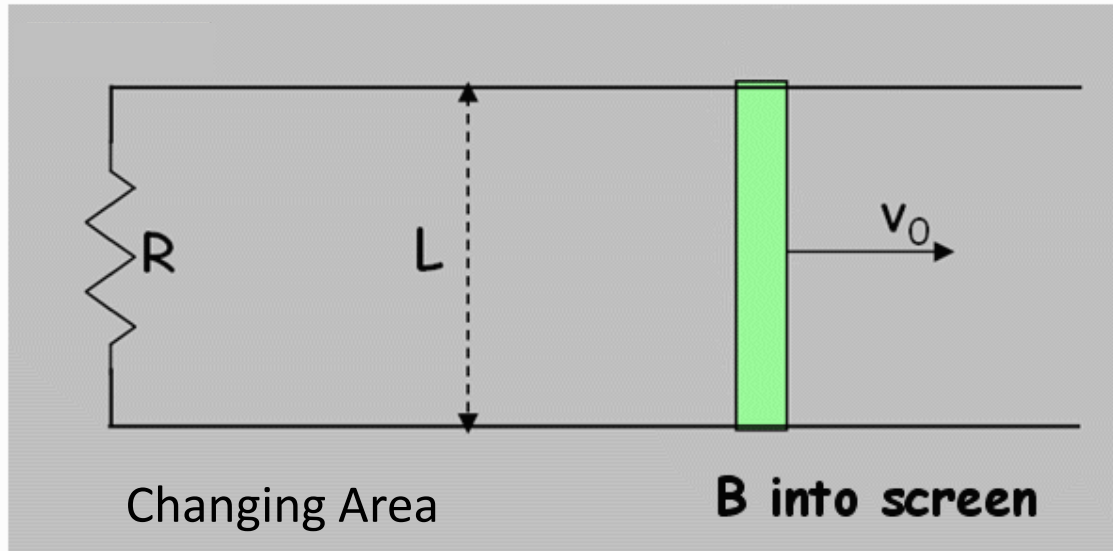


CheckPoint 2a



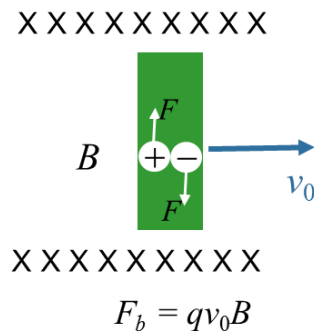
A conducting bar (green) rests on two frictionless wires connected by a resistor as shown.



The entire apparatus is placed in a uniform magnetic field pointing into the screen, and the bar is given an initial velocity to the right.

The motion of the green bar creates a current through the bar

- A.** going up
- B.** going down



Bar
 Opposite forces on charges
 Charge separation
 $E = v_0B$
 $emf = EL = v_0BL$

Equivalent circuit

