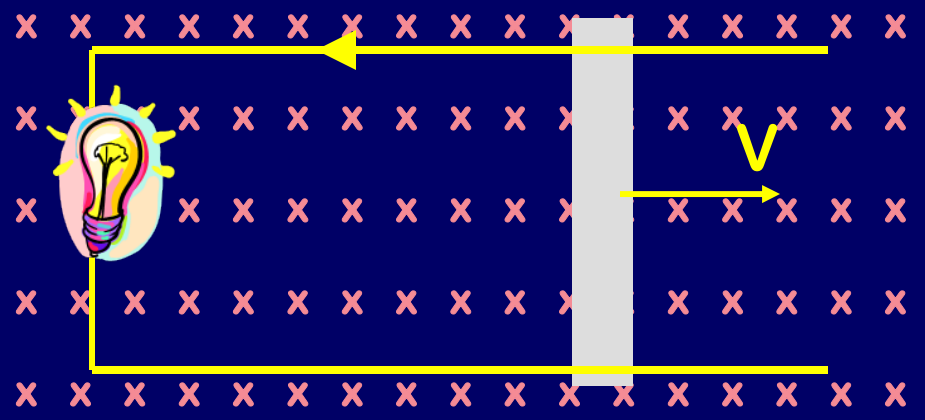
Motional EMF circuit

What happens if field is reversed? (TRY IT AT HOME)



- Magnitude of current

  $I = \varepsilon/R = vBL/R$

- Direction of Current

  Counter-Clockwise (+ charges go up thru bar, down thru bulb)

- Direction of force ($F=ILB\sin(\theta)$) on bar due to magnetic field

  Still **to left, opposite v**

F always opposes v, bar slows down
Must apply external force to keep bar moving