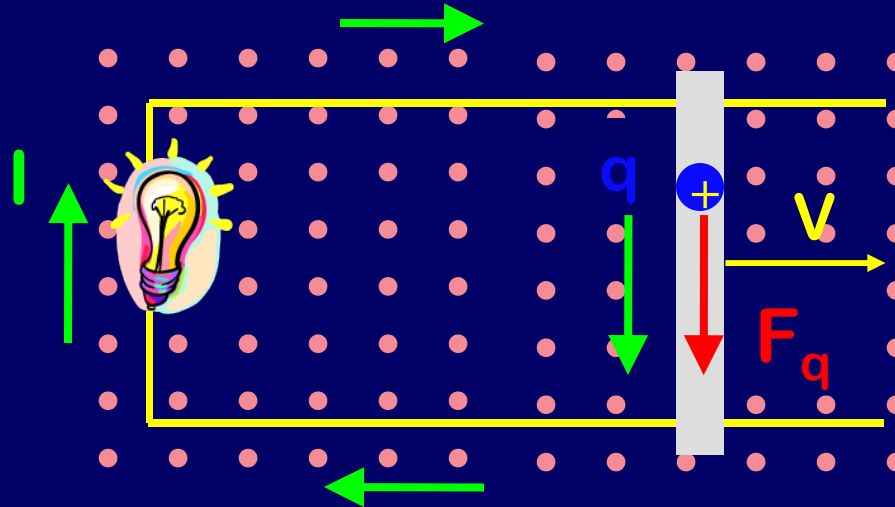


Motional EMF

- A metal bar slides with velocity v on a track in a uniform B field



- Moving + charges in bar experience force down (RHR1)
- Electrical current driven clockwise!
- Moving bar acts like a battery (i.e. generates EMF)!!

(Recall that e^- actually move, opposite current)