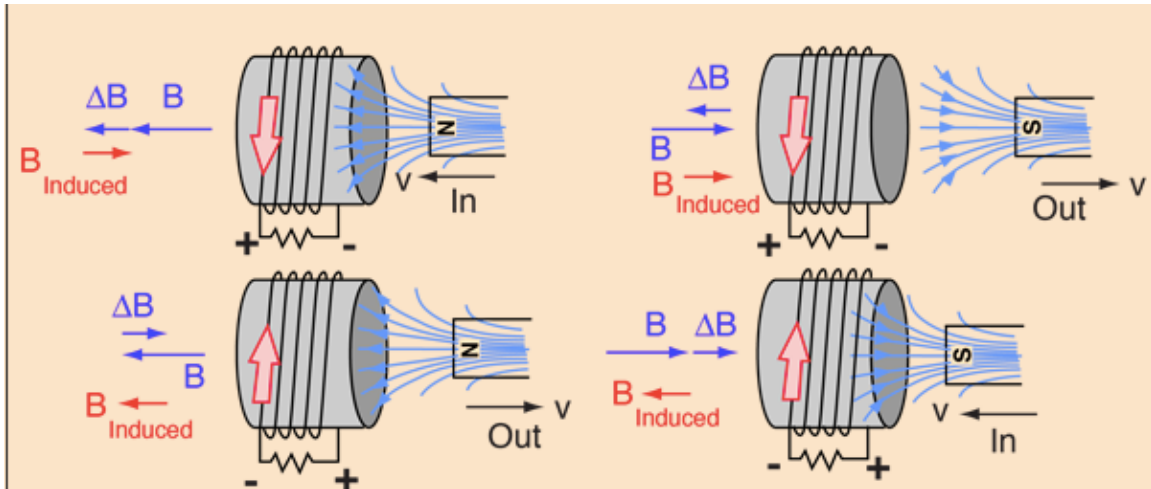
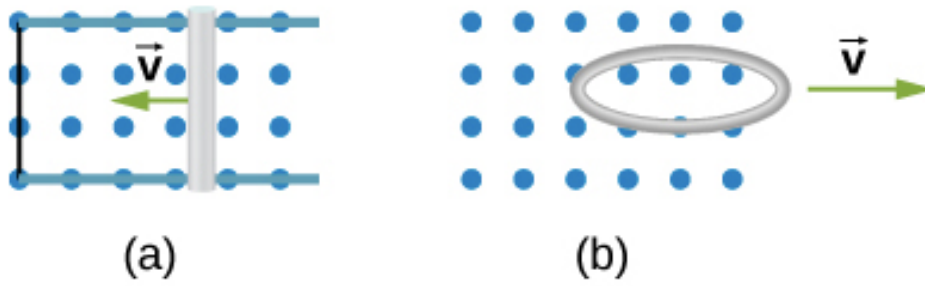


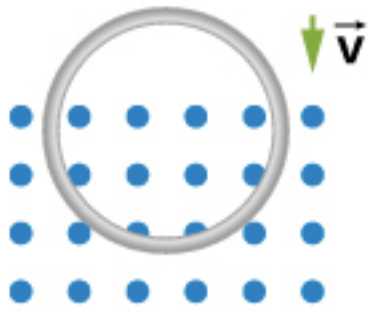


## Lenz's Law

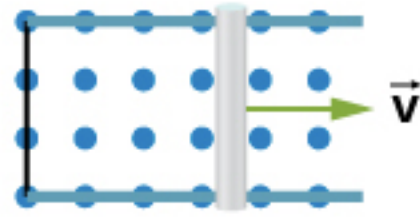


4. Use Lenz's Law to determine the direction of induced current in each scenario.

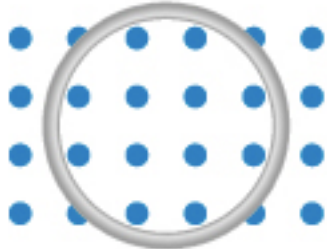




(c)

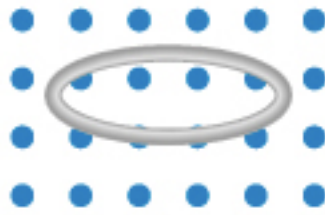


(d)



B increasing

(e)



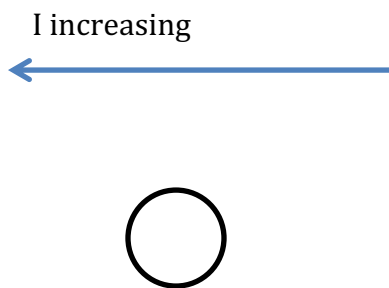
B decreasing

(f)

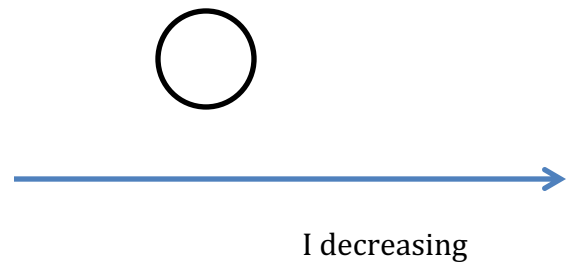
5. A 12.0-cm diameter wire is initially oriented perpendicular to a 1.5-T magnetic field. The loop is rotated so its plane is parallel to the field direction in 0.20s. What is the average induced emf in the loop?

6. What is the direction of the induced current in the circular loop due to the current shown below:

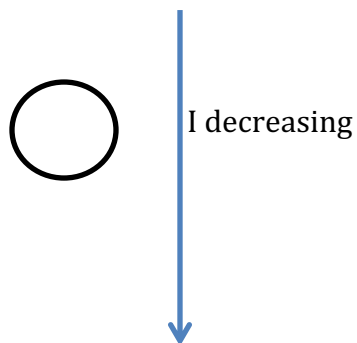
a)



b)



c)



d)

