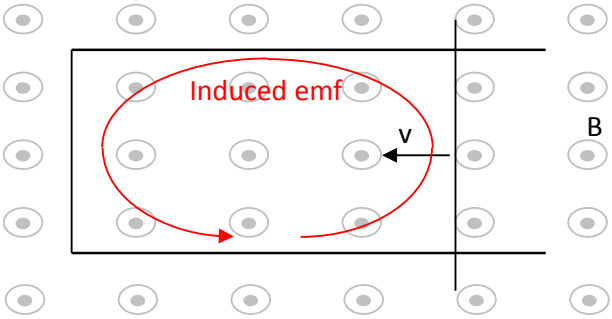
Name: _____

PHY 232 Summer 2016 Class Work

Class 33. Lenz's Law Practice

Indicate the induced emf direction in the following situations, using arrows, ⊙ and ⊗ .

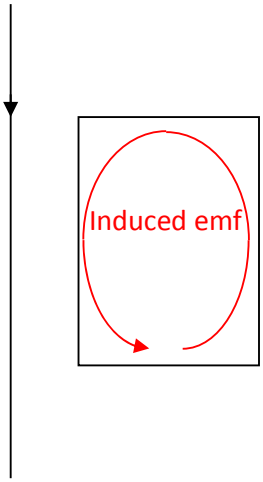
(a)



1) *Decreasing* flux in ⊙

2) Induced magnetic field direction: ⊙

(b)



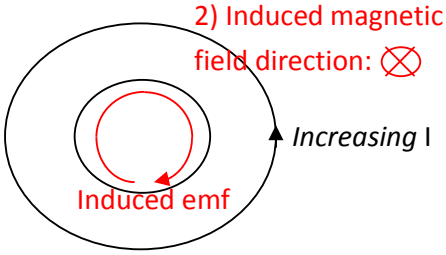
1) *Decreasing* flux in ⊙

2) Induced magnetic field direction: ⊙

(c)

1) *Increasing* flux in ⊙

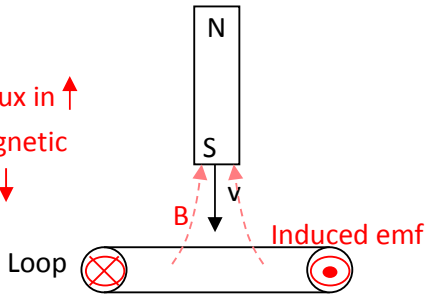
2) Induced magnetic field direction: ⊗



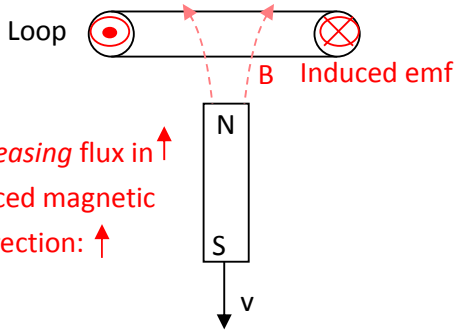
(d)

1) *Increasing* flux in ↑

2) Induced magnetic field direction: ↓



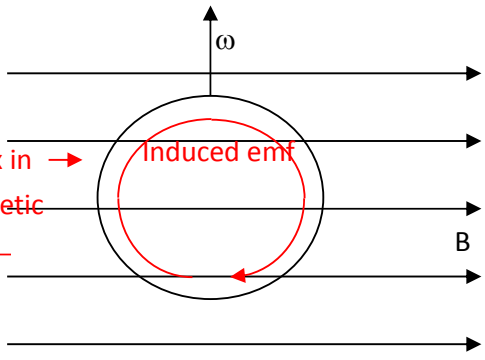
(e)



1) *Decreasing* flux in ↑

2) Induced magnetic field direction: ↑

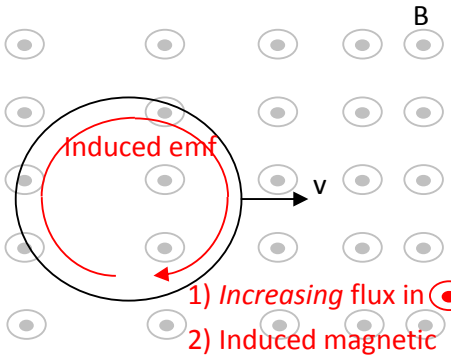
(f)



1) *Increasing* flux in →

2) Induced magnetic field direction: ←

(g)



1) *Increasing* flux in ⊙

2) Induced magnetic field direction: ⊗