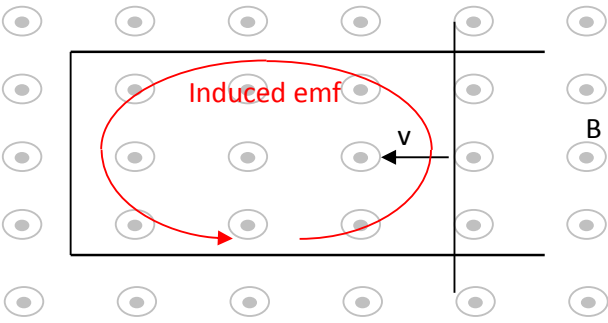
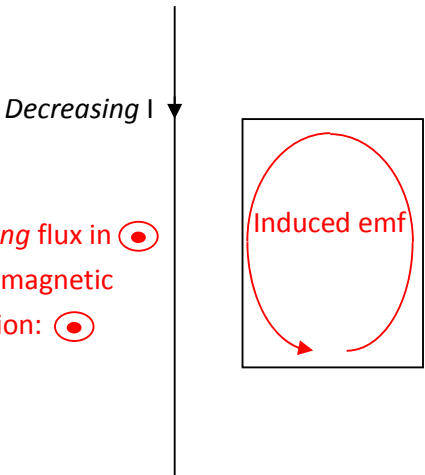


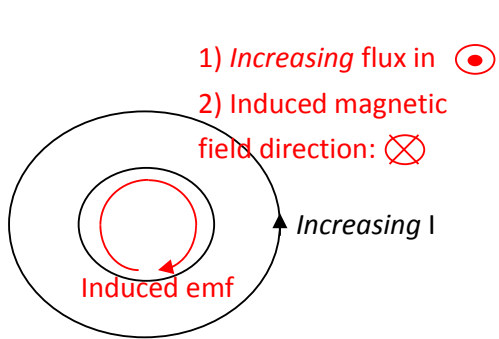
Name: _____

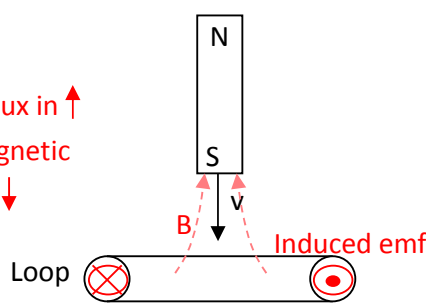
PHY 232 Summer 2016 Class Work
Class 33. Lenz's Law Practice

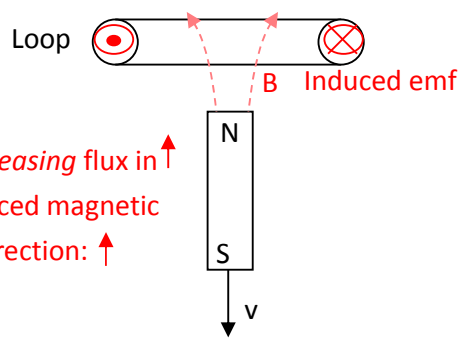
Indicate the induced emf direction in the following situations, using arrows, \odot and \otimes .

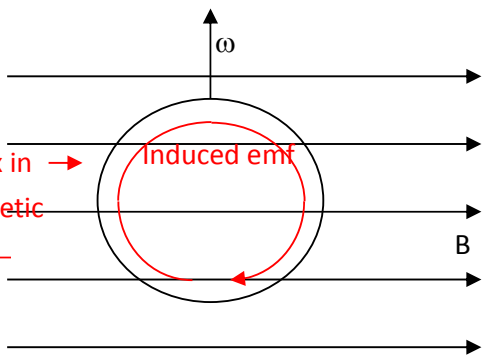
(a) 
1) Decreasing flux in \odot
2) Induced magnetic field direction: \odot

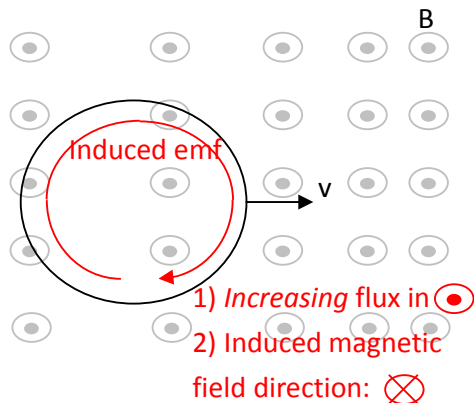
(b) 
Decreasing I
1) Decreasing flux in \odot
2) Induced magnetic field direction: \odot

(c) 
Increasing I
1) Increasing flux in \odot
2) Induced magnetic field direction: \otimes

(d) 
N
S
v
B
Induced emf
Loop
1) Increasing flux in \uparrow
2) Induced magnetic field direction: \downarrow

(e) 
Loop
N
S
v
B
Induced emf
1) Decreasing flux in \uparrow
2) Induced magnetic field direction: \uparrow

(f) 
 ω
Induced emf
B
1) Increasing flux in \rightarrow
2) Induced magnetic field direction: \leftarrow

(g) 
B
v
Induced emf
1) Increasing flux in \odot
2) Induced magnetic field direction: \otimes