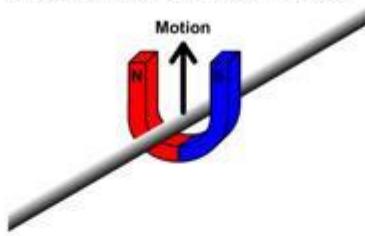
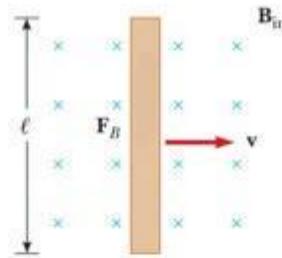


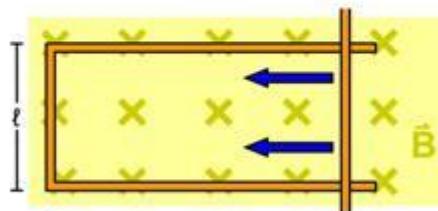
Which way would current flow in the wire?



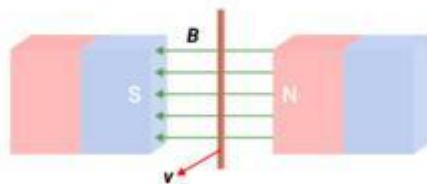
Direction of current:



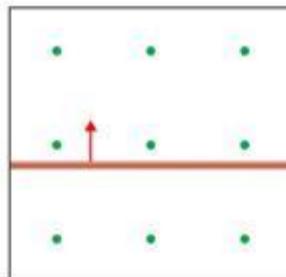
Direction of current:



Direction of current:



Direction of current:



$$\text{EMF} = 1.5\text{V}$$
$$R = 0.75\Omega$$

Direction of current:

Magnitude of current:

$B$	$7.5 \times 10^{-2} \text{ T}$
$L$	$0.25 \text{ m}$
$v$	$4.5 \text{ m/s}$
$\theta$	$90^\circ$
$\text{EMF}$	?

EMF =

A magnet with a field strength of 2.5 mT is moved perpendicular to a 75 cm coil of wire at a speed of 3.5 m/s. Assume that the field is uniform and moving perpendicular to the wire. The induced EMF in the wire is:

If the maximum current of a water kettle is 1.2 A. Then the value of the effective current of the kettle is equal to: