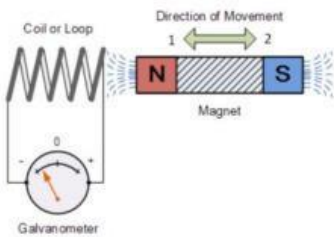
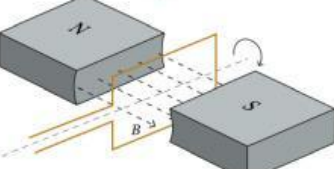
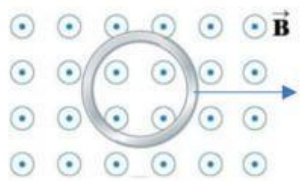
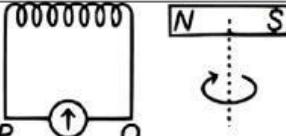
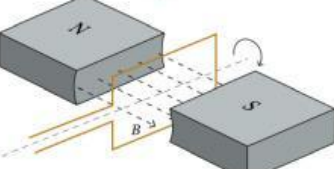
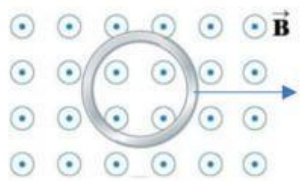
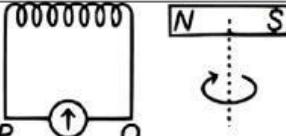
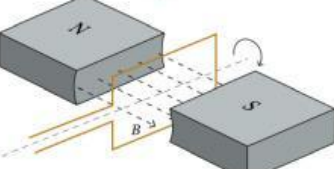
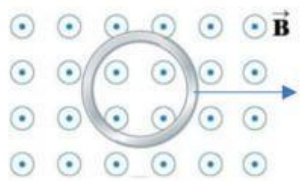
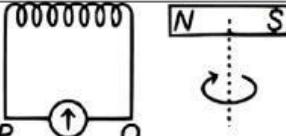


Electromagnetic Induction

1		To generate an induced current in the coil, which of the following actions must be performed? - Moving the magnet in direction 1 - Moving the magnet in direction 2 - Not moving coil/magnet in direction 1 or 2 - Moving the coil in direction 1 - Moving the coil in direction 1															
2	In which of the following systems can an induced current be generated? Select all that apply by clicking the box. <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td data-bbox="181 622 691 763">  </td><td data-bbox="691 622 1273 763">  </td><td data-bbox="1273 622 1458 763">Moving magnet inside/outside coil</td></tr> <tr> <td data-bbox="181 763 691 954">  </td><td colspan="2" data-bbox="691 763 1273 954">Rotate coil between two magnet</td></tr> <tr> <td data-bbox="181 954 691 1193">  </td><td colspan="2" data-bbox="691 954 1273 1193">Moving metal ring around magnetic field</td></tr> <tr> <td data-bbox="181 1193 691 1422">  </td><td colspan="2" data-bbox="691 1193 1273 1422">Place magnet and coil in a fixed position</td></tr> <tr> <td data-bbox="181 1422 691 1568">  </td><td colspan="2" data-bbox="691 1422 1273 1568">Rotate a magnet beside a coil</td></tr> </tbody> </table>				Moving magnet inside/outside coil		Rotate coil between two magnet			Moving metal ring around magnetic field			Place magnet and coil in a fixed position			Rotate a magnet beside a coil	
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	Rotate coil between two magnet																
	Moving metal ring around magnetic field																
	Place magnet and coil in a fixed position																
	Rotate a magnet beside a coil																
3	What equation is shown below? $\Phi = BA \cos \theta$ $\varepsilon = -N \frac{\Delta \Phi}{\Delta t}$																