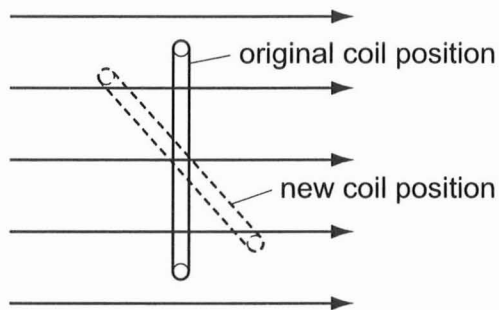


**32** A coil is situated with its plane perpendicular to a uniform magnetic field and within the field.



The coil is rotated to the new position shown.

How do the magnetic flux density and the total magnetic flux passing through the coil change during the rotation?

	magnetic flux density	total magnetic flux
<b>A</b>	decreases	decreases
<b>B</b>	increases	increases
<b>C</b>	no change	decreases
<b>D</b>	no change	increases