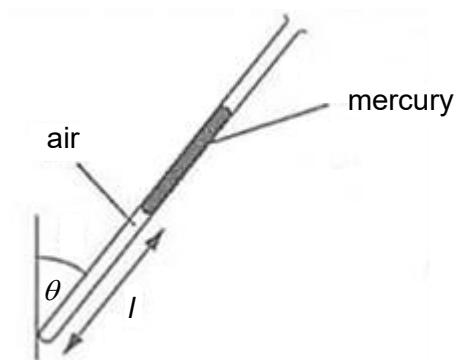
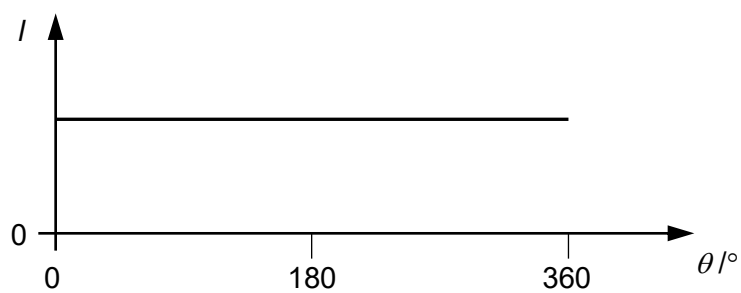


- 12 A narrow tube, closed at one end, contains a column of dry air that is trapped by mercury.

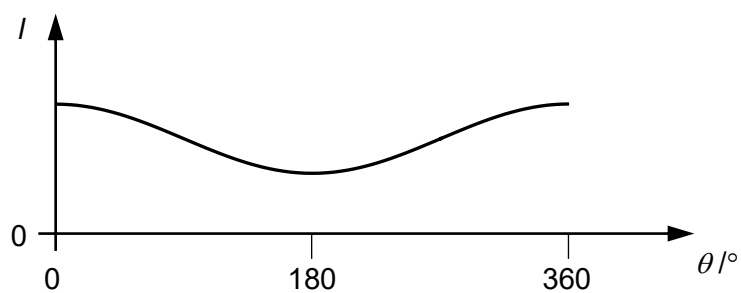


Which diagram best shows the variation of the length  $l$  of the air column with the angle  $\theta$  of the tube to the vertical?

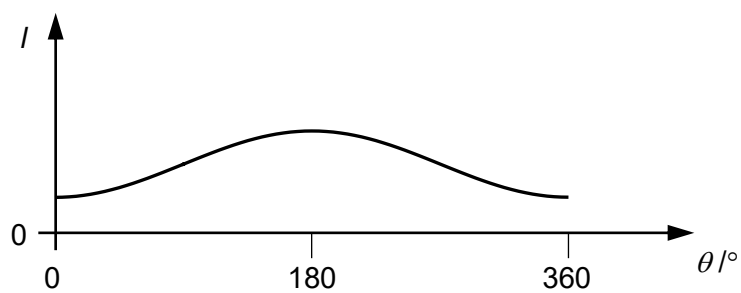
A



B



C



**D**

