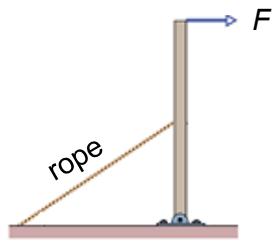


- 7 A light rod, hinged at its lower end, has a horizontal force F acting at its upper end and a reaction force R acting at its lower end. A tension T acts in the rope on the beam.



Which of the vector diagram below showing the forces acting on the beam is correct?

A	<p>Diagram A shows three vectors originating from the same point at the lower end of the beam. Vector R points up and to the left. Vector F points horizontally to the right. Vector T points down and to the right.</p>	C	<p>Diagram C shows three vectors originating from the same point at the lower end of the beam. Vector T points up and to the left. Vector F points horizontally to the right. Vector R points down and to the right.</p>
B	<p>Diagram B shows three vectors originating from the same point at the lower end of the beam. Vector R points down and to the left. Vector F points horizontally to the right. Vector T points up and to the right.</p>	D	<p>Diagram D shows three vectors originating from the same point at the lower end of the beam. Vector T points down and to the left. Vector F points horizontally to the right. Vector R points up and to the right.</p>