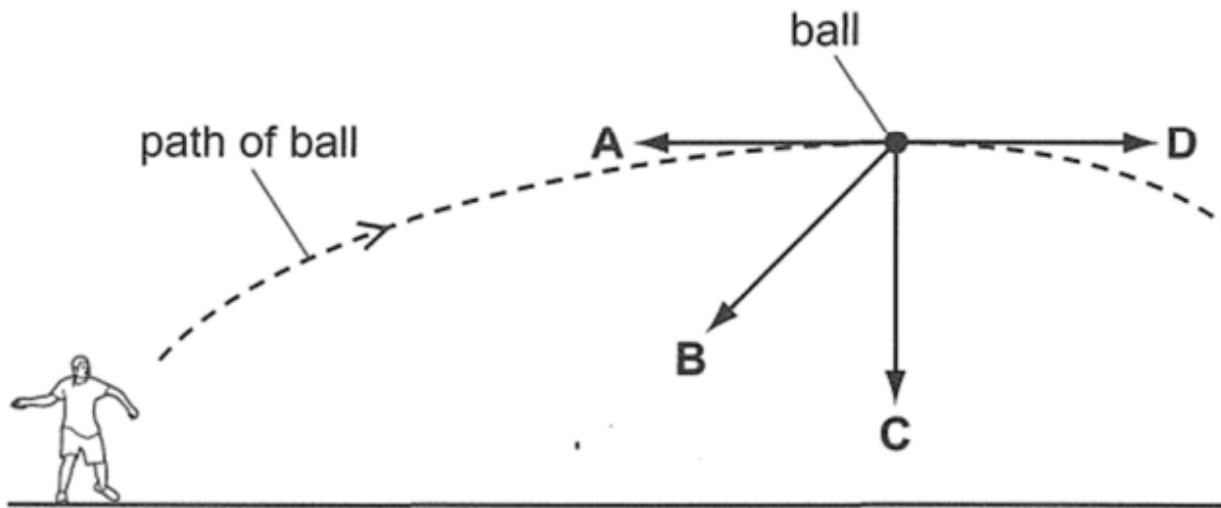


4 The diagram shows a ball which has been thrown and is being acted on by air resistance.

Which labelled arrow shows the direction of the resultant force on the ball when it is at the position shown?



5 A racing car of mass 500 kg, including driver but not fuel, decelerates from a speed of 50 m s^{-1} to