

6 The diagram shows a source of sound waves and an observer.

source



observer



Which row of the table shows a situation which would result in a decrease in the frequency of sound observed?

	Source	Observer
<input type="checkbox"/> A	moves to the right at $20 \text{ m s}^{-1}$	moves to the left at $20 \text{ m s}^{-1}$
<input type="checkbox"/> B	moves to the right at $20 \text{ m s}^{-1}$	moves to the right at $20 \text{ m s}^{-1}$
<input type="checkbox"/> C	moves to the right at $20 \text{ m s}^{-1}$	stationary
<input type="checkbox"/> D	stationary	moves to the right at $20 \text{ m s}^{-1}$

(Total for Question 6 = 1 mark)