

- 7 Muons can travel at speeds close to the speed of light. At these speeds the lifetime and mass of a muon are different from those of a stationary muon.

Which row of the table describes the lifetime and the mass of a high-speed muon compared to a stationary muon?

	Lifetime	Mass
<input type="checkbox"/> A	shorter	smaller
<input type="checkbox"/> B	shorter	larger
<input type="checkbox"/> C	longer	smaller
<input type="checkbox"/> D	longer	larger

(Total for Question 7 = 1 mark)