

- 10 The suspension system of a car was tested by forcing the car into vertical oscillations.

The forcing frequency was gradually increased and corresponding amplitudes of oscillation were measured.

There was a maximum amplitude of oscillation A_0 at a particular frequency f_0 .

Which row of the table shows how A_0 and f_0 change as the damping in the suspension system is reduced?

	A_0	f_0
<input checked="" type="checkbox"/> A	decreases	decreases
<input checked="" type="checkbox"/> B	decreases	increases
<input checked="" type="checkbox"/> C	increases	decreases
<input checked="" type="checkbox"/> D	increases	increases

(Total for Question 10 = 1 mark)