

- 8 A ray of light travels through glass, towards a boundary between glass and air. The critical angle for this boundary is  $42^\circ$ .

Which row of the table is correct?

	Angle of incidence	What happens at the boundary?
<input type="checkbox"/> A	$40^\circ$	All of the light is refracted
<input type="checkbox"/> B	$40^\circ$	All of the light is reflected
<input type="checkbox"/> C	$45^\circ$	All of the light is refracted
<input type="checkbox"/> D	$45^\circ$	All of the light is reflected

(Total for Question 8 = 1 mark)