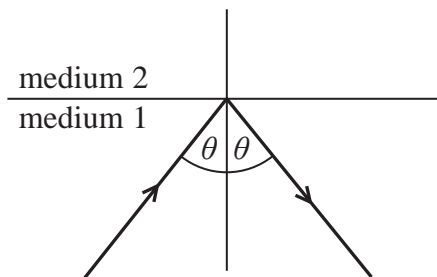**8** Total internal reflection occurs when light is incident on the boundary between medium 1 and medium 2, as shown.



The refractive index of medium 1 is $n_1$ and the refractive index of medium 2 is $n_2$.

The critical angle for the boundary is $C$.

Which row of the table is correct?

| | | |
|---|---|---|
| ☒ **A** | $\theta < C$ | $n_1 > n_2$ |
| ☒ **B** | $\theta < C$ | $n_2 > n_1$ |
| ☒ **C** | $\theta > C$ | $n_1 < n_2$ |
| ☒ **D** | $\theta > C$ | $n_2 < n_1$ |

**(Total for Question 8 = 1 mark)**