

2 Light travelling in glass of refractive index n_g is incident at a boundary with water of refractive index n_w . The critical angle for the boundary is C .

Which of the following expressions is correct for this boundary?

☐ **A** $\sin C = \frac{1}{n_g}$

☐ **B** $\sin C = \frac{n_w}{n_g}$

☐ **C** $\sin C = \frac{n_g}{n_w}$

☐ **D** $\sin C = \frac{1}{n_w}$

(Total for Question 2 = 1 mark)