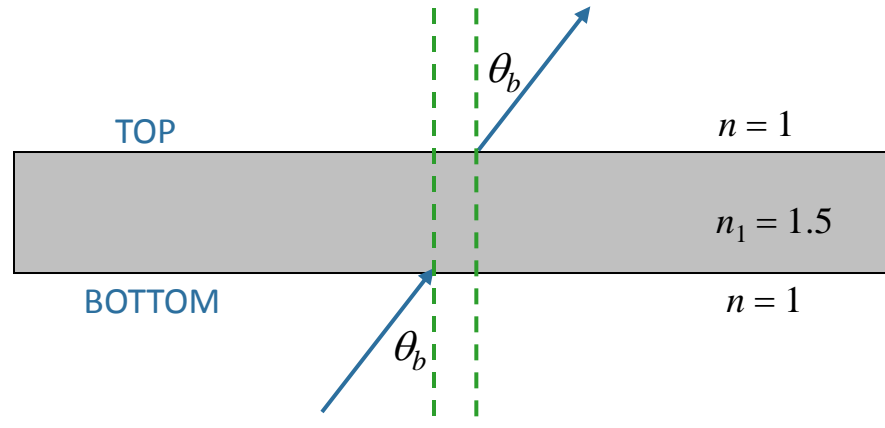


More Practice



A monochromatic ray enters a slab with $n_1 = 1.5$ at an angle θ_b as shown.



- A) Total internal reflection at the top occurs for all angles θ_b , such that $\sin\theta_b < 2/3$
- B) Total internal reflection at the top occurs for all angles θ_b , such that $\sin\theta_b > 2/3$
- C) There is no angle θ_b ($0 < \theta_b < 90^\circ$) such that total internal reflection occurs at top.

Snell's law:

$$n_1 \sin \theta_1 = n_2 \sin \theta_2$$



$n \sin \theta$ is "conserved"



Ray exits to air with same angle as it entered!