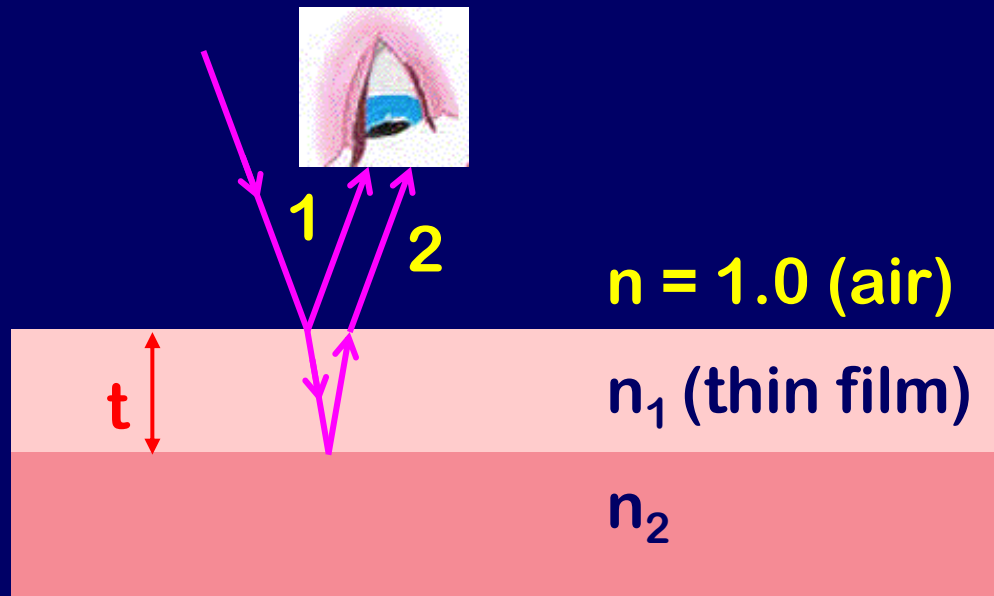




ACT: Thin Film Practice

Blue light ($\lambda_0 = 500 \text{ nm}$) incident on a glass ($n_1 = 1.5$) cover slip ($t = 167 \text{ nm}$) floating on top of water ($n_2 = 1.3$).



What is δ_1 , the total phase shift for ray 1

A) $\delta_1 = 0$

B) $\delta_1 = \frac{1}{2}$

C) $\delta_1 = 1$