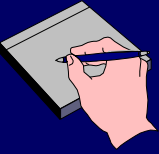
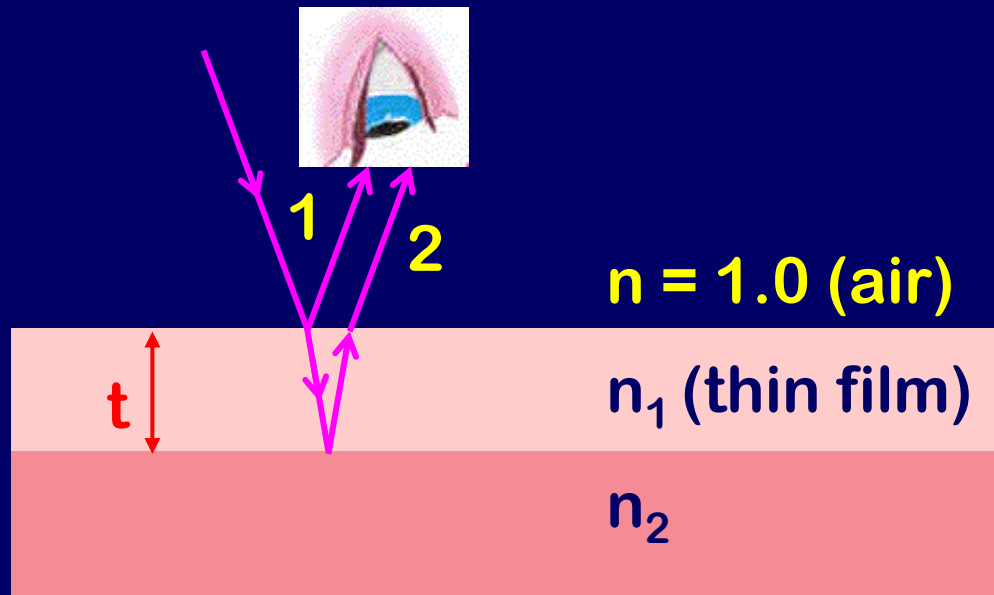


Example

ACT: Thin Film Practice II



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 plastic ($n_2 = 1.8$).



Is the interference : 1) constructive 2) destructive 3) neither?

$$\delta_1 =$$

$$\delta_2 =$$

$$\text{Phase shift} = |\delta_2 - \delta_1| =$$