Please answer all questions in the homework format listed on the website.

1) Dowling Problem 15.40.

2) Dowling Problem 15.38. Assume steady state values.

Suggested Problems:

Dowling 15.34, $d\varepsilon_x/dt = d\varepsilon_y/dt = 3.33 \times 10^{-8} \text{ s}^{-1}$, $\Delta d = 4.03$ mm
Dowling 15.42, $v = 0.18$ mm initially, 0.422 mm after 5 days