

Ex  
9.2 p. 260

lead Pb  
solid sphere  $V = 0.5 \text{ m}^3$

depth 2000 m

$$\text{Press } \uparrow = \frac{F}{A} = 2 \times 10^7 \text{ Pa}$$

$$\Delta V = ?$$

$$B = 7.7 \times 10^9 \text{ Pa}$$

$$B = \frac{F V_0}{A \Delta V}$$

$$\Delta V = \frac{F V_0}{B A} = \frac{2 \times 10^7 (0.5)}{7.7 \times 10^9}$$

$$= -1.3 \times 10^{-3} \text{ m}^3$$

means  
lost

$$3) 1,834,395 \text{ Pa}$$

$$5) 95,111,4650 \text{ Pa}$$

$$7) .0044 \text{ m}$$

$$\text{Pa} = \frac{\text{N}}{\text{m}^2}$$