1.) a.) Max stress?

$$Max = \sigma_0$$
, $M = 1$
 $Max = \sigma_0$, $M = 1$

$$\mathcal{T} = |C | M | P_{\alpha}$$

$$\mathcal{T} = |C | M | P_$$

$$O'' = \frac{\alpha E \Delta T}{4(1-\nu)} \qquad \Delta T = \frac{250}{4\pi(6.1)} = 199 \text{ K}$$

$$L.) cracks?$$

$$L.) cracks?$$

$$\sigma_{fr} = 120M R_a$$

$$\eta = \sqrt{1 + \frac{\sigma_{fr}}{\sigma_{fr}}}$$

2.) a.) all stresses?

- thin while

$$R = 0.5 \, \text{H cm}$$
 $C = \frac{PR}{S}$
 C

.) a.) all stresses?

R = 0.5 4 cm

$$C = \frac{PR}{s}$$

$$C_{c} = \frac{PR$$

5.) Gap thickness change?

$$\Delta t_{c} = R_{c} \propto_{c} \Delta T_{c}$$

$$\Rightarrow T_{cx} = \frac{LHR \cdot t_{c}}{2\pi R_{c} K_{c}} + T_{cy}$$

$$T_{cx} = \frac{(2d s)(6.08)}{2\pi (0.52)(0.18)} + 550$$

$$T_{cx} = 587 K$$

$$\Rightarrow \Delta t_{c} = 8R_{c} \times_{c} \Delta T_{c} + T_{c}$$

4.) # of gas down released?

OSSIMME Spherical grain

$$V = \frac{TC}{G} a^3 = \frac{TC}{C}(8e^{-4})^3$$
 $V = \frac{TC}{G} a^3 = \frac{TC}{C}(8e^{-4})^3$
 $V = 2.68e^{-1} \text{ Ked}$ for per volume

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 $V = 2.68e^{-1} \text{ Ked}$
 $V =$

