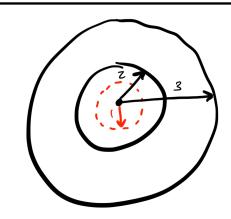
1) Draw The Situation:



@ Defermine Genc ...

Genc:
$$SIPSdS = Z \times 10^{-6} SINP dead$$

$$= Z \times 10^{-6} \cdot (1)^{2} \cdot \int_{c}^{2\pi} d\rho \cdot \int_{c}^{\pi} SinP dead$$

$$= (2 \times 10^{-6}) (1)^{2} (2\pi)(-\cos |_{c}^{\pi})$$

$$= 8\pi \times 10^{-6}c$$

3 Defermine D in the enclosed resion...

W Deformine E in the enclosed resign

6) Defermine WE ...

WE =
$$\frac{1}{z} \int_{0}^{2\pi} \int_{0}^{\pi} \frac{4xx^{-12}}{\varepsilon r^{4}} \cdot r^{2} \sin \theta \, dr d\theta \, d\theta$$

WE = 0.47MJ