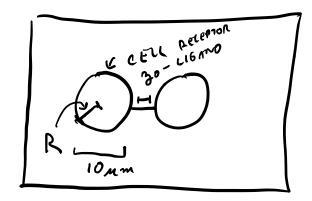
L~ 100 um



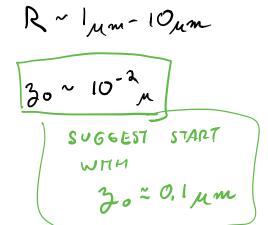
$$M = 10^{-3} \text{ Pa·s}$$

$$= 10^{-3} \text{ N·s}$$

$$= 10^{-3} \frac{\text{N·s}}{\text{m}^2}$$

$$= 10^{-3} \frac{10^{12} \text{pN}}{(10^6 \text{am})^2} \text{s}$$

$$= 10^{-3} \frac{\text{pN·s}}{\text{mm}^2}$$



$$S = 10^{3} \text{ kg}_{3}$$

$$= 10^{-9} \text{ pNs}^{2}$$

$$\text{mm}^{4}$$

$$P = 10^{3} \text{ kg}_{3}$$

$$= 10^{-9} \text{ pNs}^{2} \longrightarrow \text{WITH}$$

$$\text{To GET TO}$$

$$\text{TMAX $\sim 0.01 S$}$$

STRUCTURE:

- · BENDING MODULUS B= 10-4pNmm
- · STRETCHME MODULUS 6= HIGH ENOUGH SO 17 ONLY EVER STRETCHES ~ 1%

PER
SPRING IS G
MODULUS

SEAM
MODULUS

IS B??