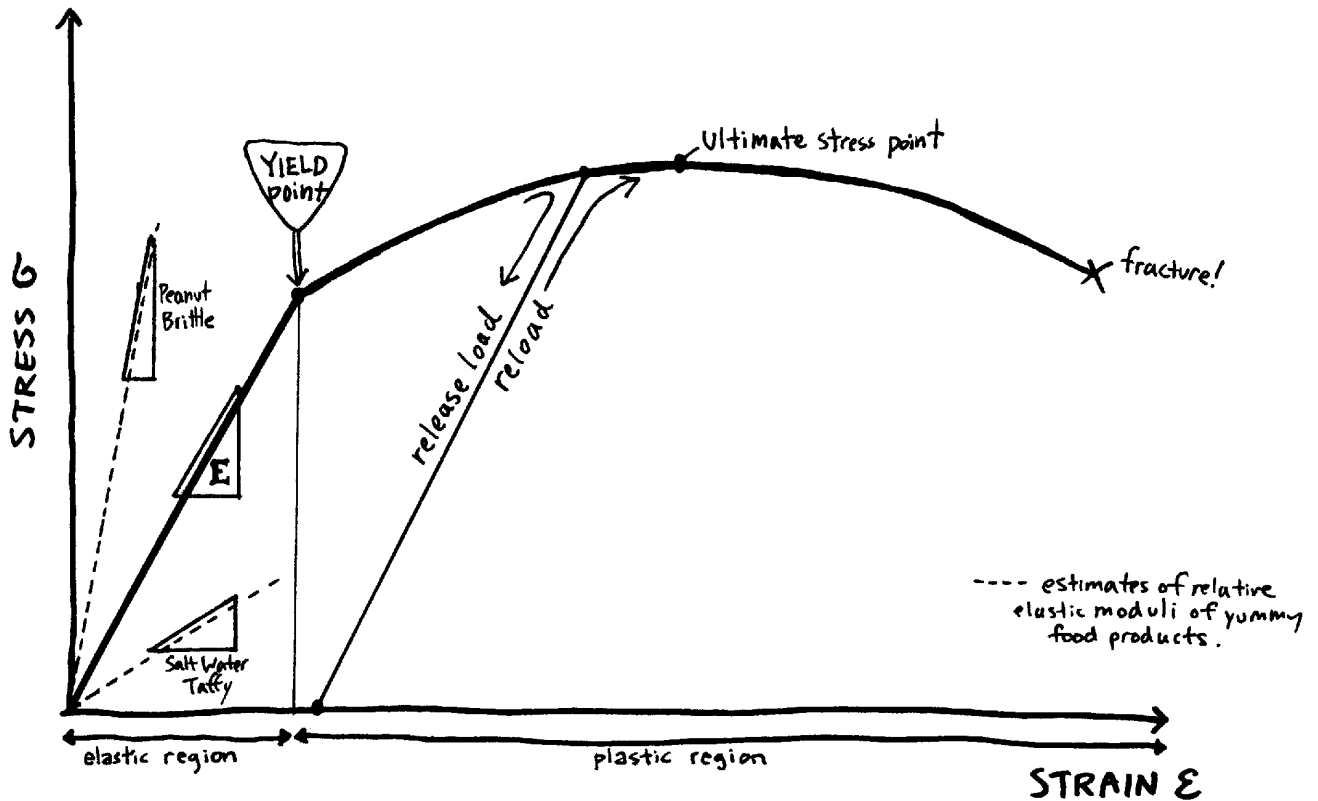


# STRESS STRAIN DIAGRAM



The slope  $\frac{\sigma}{\epsilon}$  is the elastic modulus! (Thus, taffy would have a smaller slope than steel.)

During the elastic region, the material bounces back to its original shape when a load is released. However, after a certain stress is reached (the yield point) the material falls back with the same slope, but ends at a strain that's NOT ZERO! That's permanent deformation (A.K.A plastic strain)

