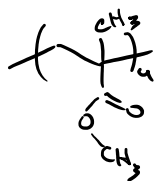
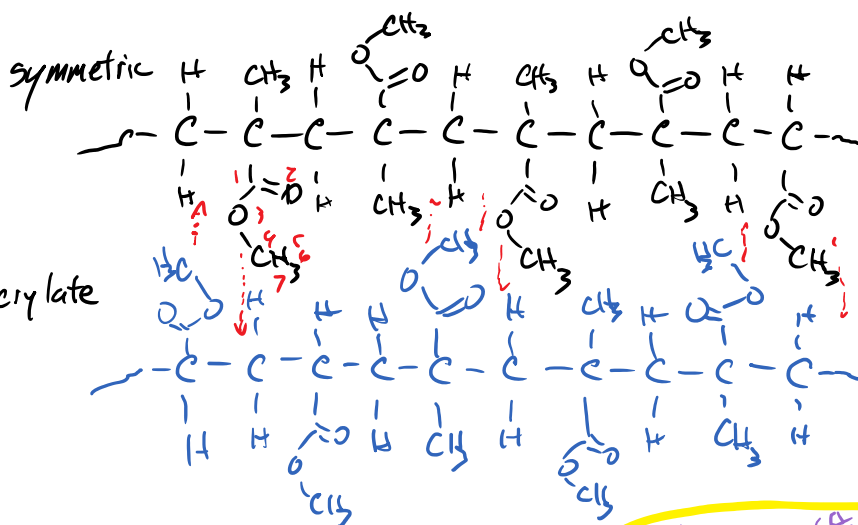


Polymers

#5

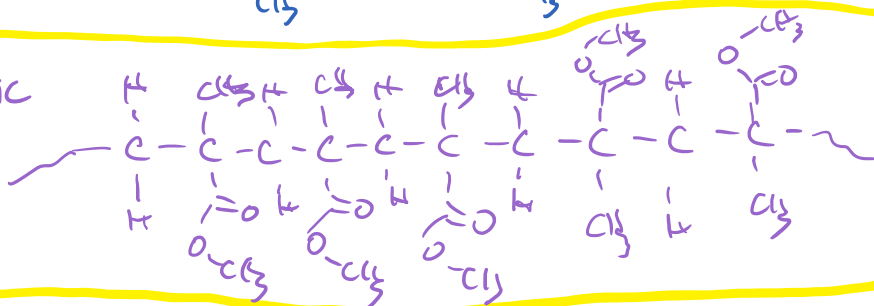


poly methyl methacrylate



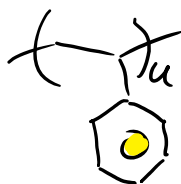
better
mechanics

asymmetric



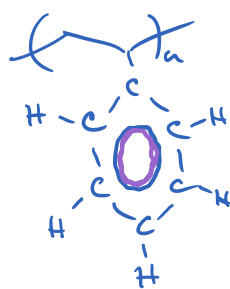
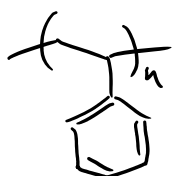
less

#6

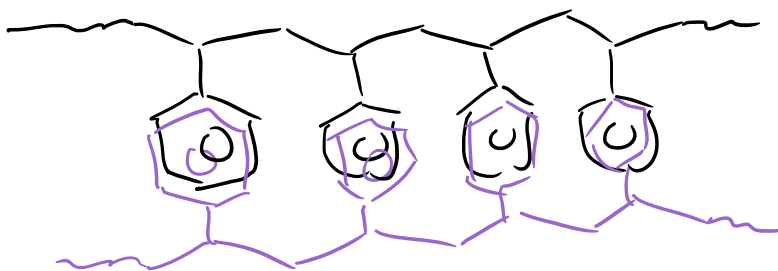
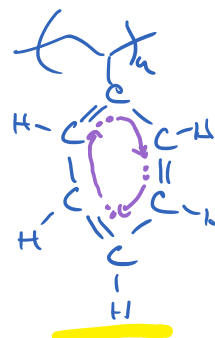


- aromatic ring

poly(styrene)



each length
is the same



good mechanical

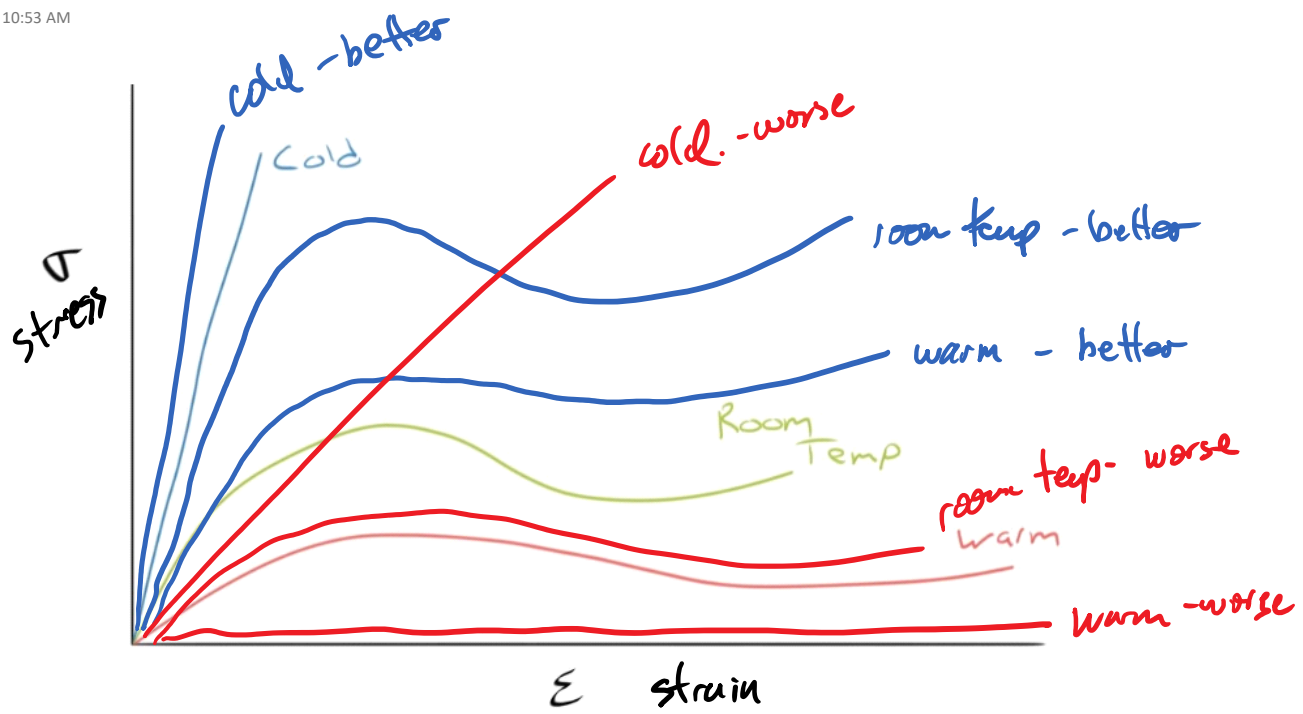
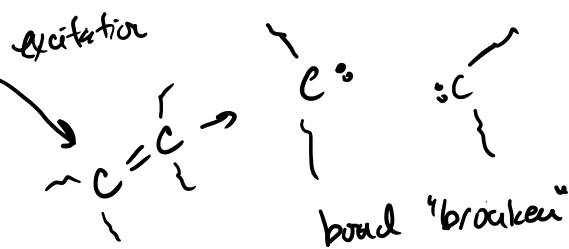
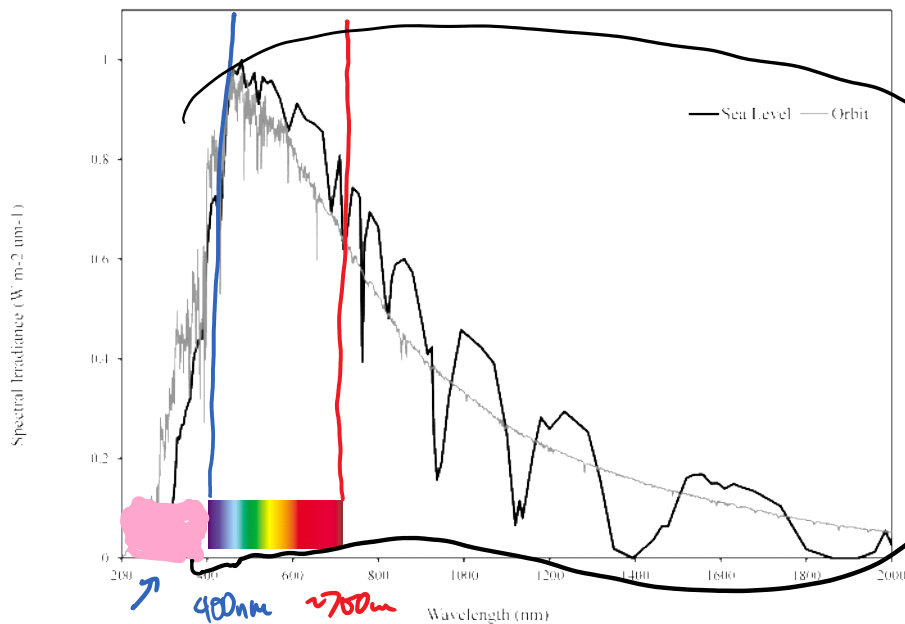
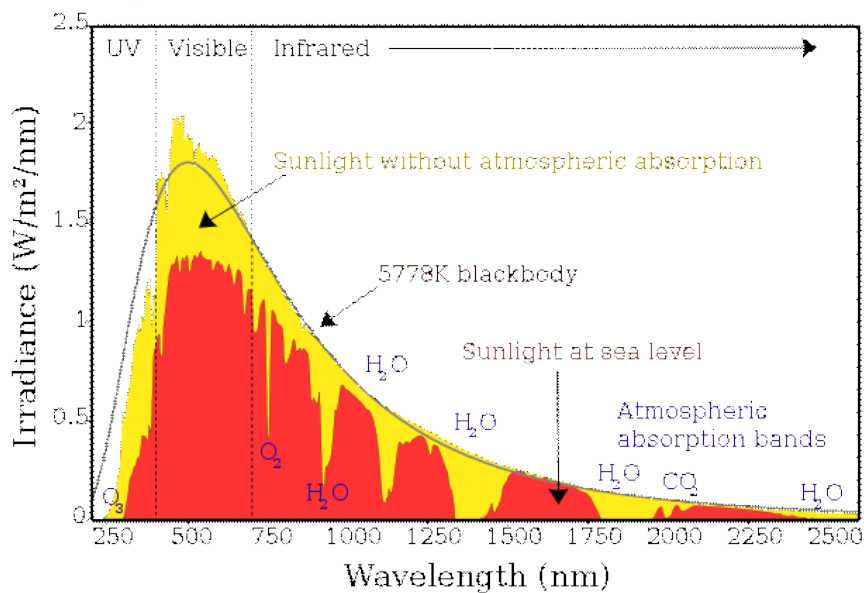


Figure 19. A stress-strain curve for a hypothetical plastic polymer at three temperatures. It is not uncommon for polymers to experience significant changes in mechanical properties with relatively small changes in temperature.



UV

Spectrum of Solar Radiation (Earth)



end point of polymers