Homework #5

Molecular structure vs deformation behavior

Briefly describe the chief molecular feature that accounts for the <u>difference</u> in deformation behavior of the following pairs of molecules or tissues:

Tissues based on collagen vs tissues based on gelatin.

A tissue based on glycosaminoglycan (GAG) molecules in dilute salt solution vs a tissue based on GAG molecules in concentrated salt solution.

Elastin fiber in a nonpolar solvent vs elastin fiber in water. Collagen vs elastin.

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