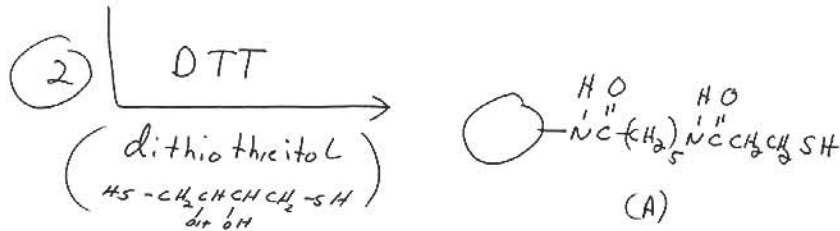
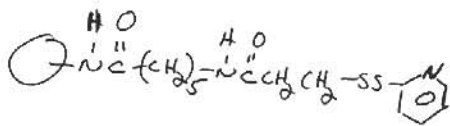
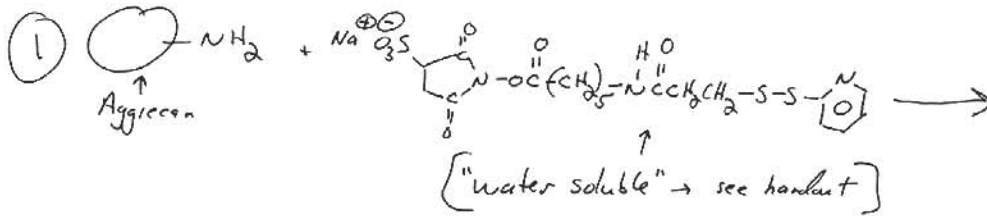
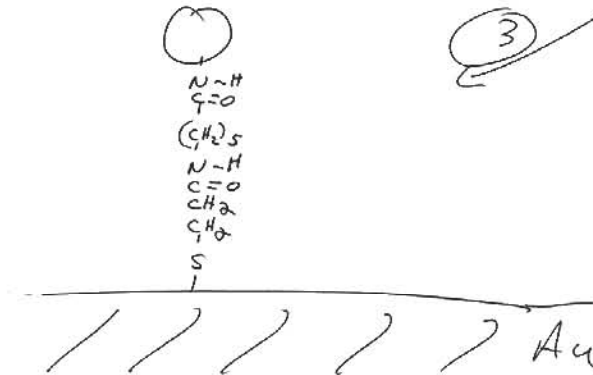


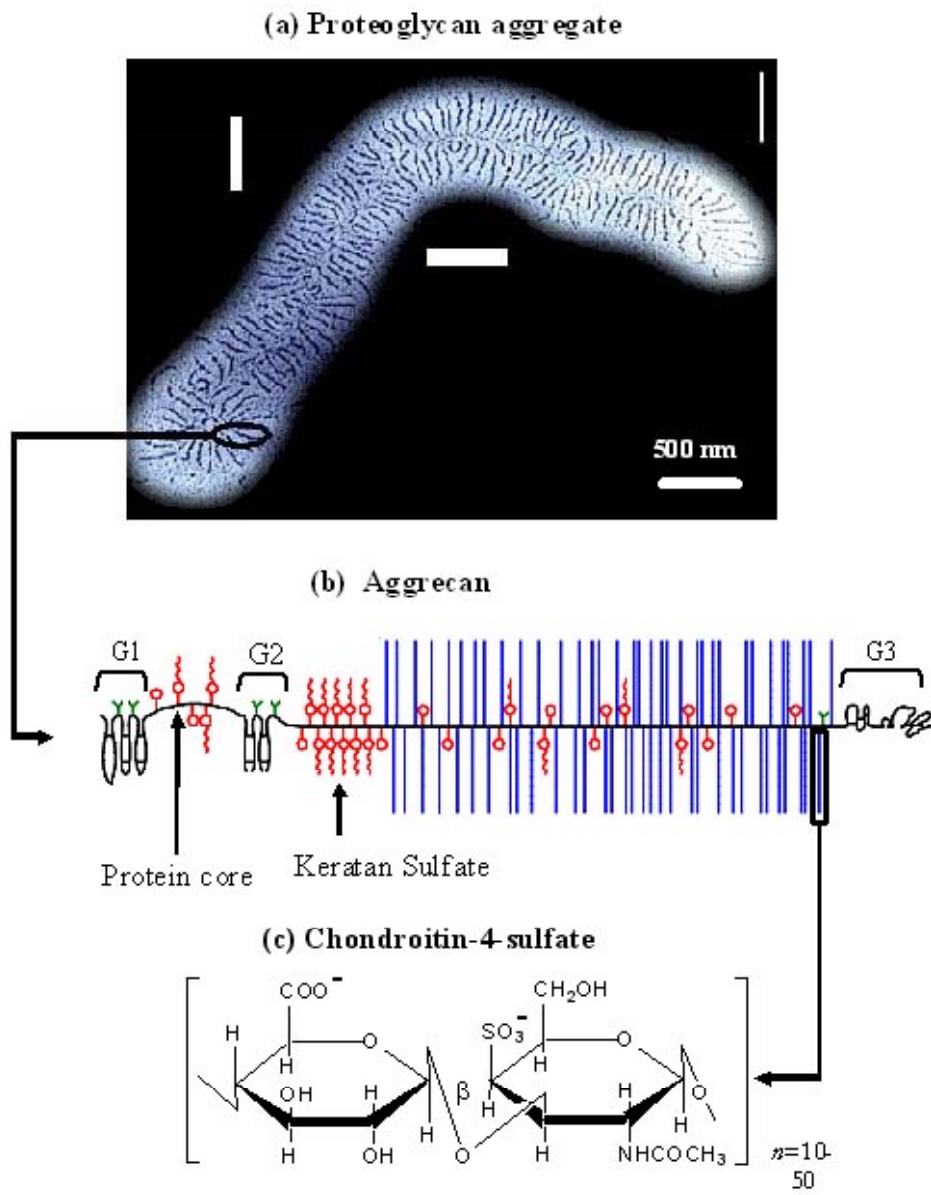
Solution - practice the part A

- please see next page for structure of Aggrecon (work of Lin Han and Prof Ortiz, MIT)



③ immerse gold coated substrate into solution A





**Figure 1.** Structural hierarchy of aggrecan in cartilage: (a) electron microscopy of aggrecan and the aggregates it forms with hyaluronan and link protein[Rosenberg, 1982 #627]; (b) aggrecan core protein contains 3 globular domains (G1, G2, G3); the CS-GAG attachment region is composed of a variable keratan sulfate region and 2 chondroitin sulfate regions (CS-1 and CS-2) distinguished by their sequence patterns[Hardingham, 1992 #51].