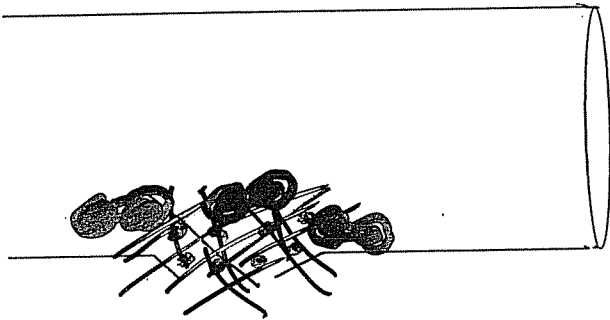




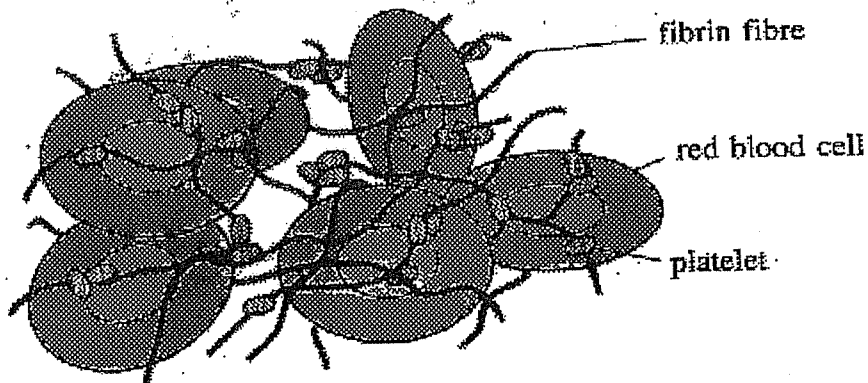
6. Proper clot forms and blood vessel eventually repairs itself.



7. Fill In the blanks

Damaged blood vessel results in PLATELETS and damaged tissue releasing PROTHROMBIN ACTIVATOR. This chemical causes a proteinaceous clotting factor called PROTHROMBIN to chemically change into THROMBIN.

This chemical reaction can only take place with the presence of the mineral ion CALCIUM. This Thrombin enzyme then runs a reaction that causes FIBRINOGEN to break down to form smaller activated molecules. These activated fragments join together to form long thread-like molecules called FIBRIN. Many of these Fibrin molecules wind around the platelet plug to form the framework for a proper CLOT to form.



8. Name the vitamin that must be present to make Prothrombin (one of the initial clotting factors), in the first place?

K