TRANSPORT IN MAN

PLATELETS & BLOOD CLOTTING

1. Which component of blood is primarily responsible for causing it to clot?

A	Plasma
B	White blood cells
C	Red blood cells
D	Platelets

2. What is the role of thrombin in the process of blood clotting?

A. To initiate the release of calcium ions to encourage the aggregation of blood cells

B. To catalyze the conversion of soluble fibrinogen into insoluble fibrin

C. To initiate the conversion of the protein prothrombin into the enzyme thrombin

3. What symptom would you expect someone with hemophilia to have?

A. Inability to bleed from wounds

B. Frequent formation of clots within blood vessels

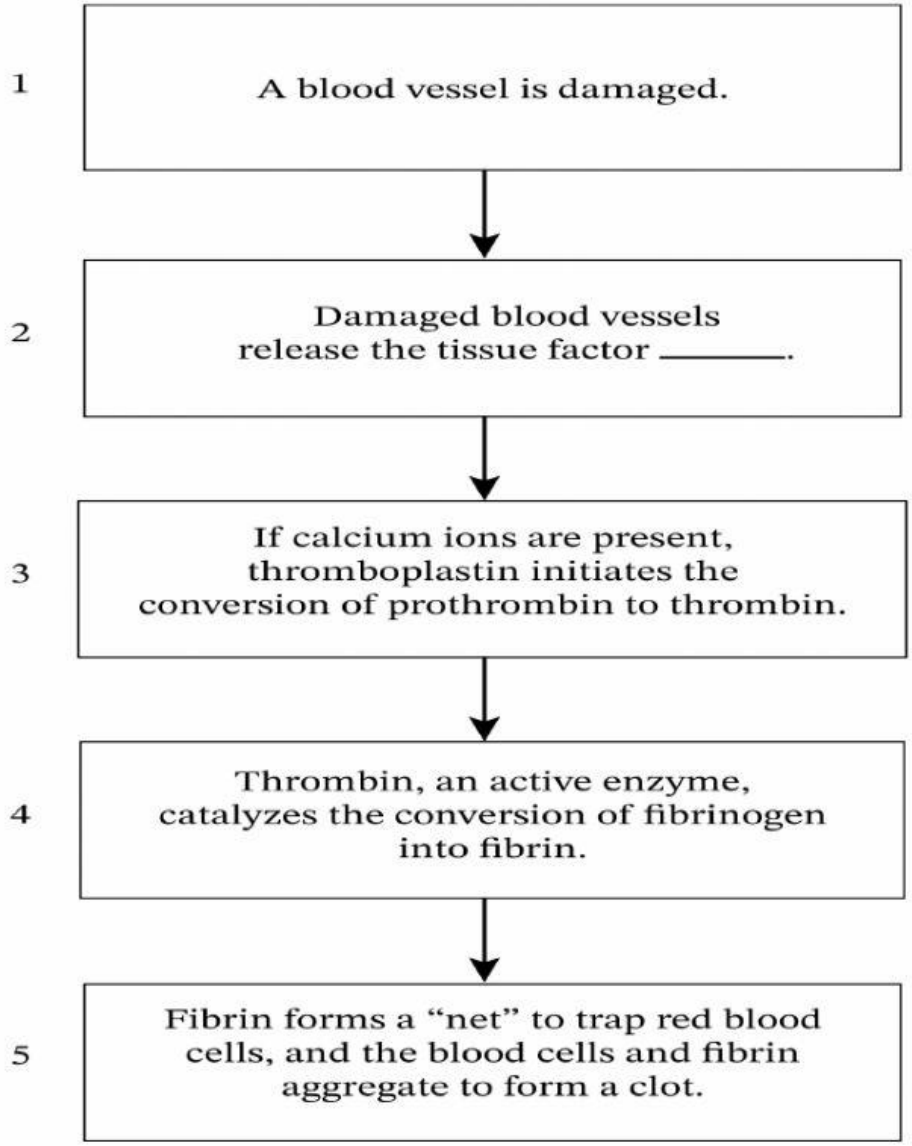
C. Excessive or uncontrolled bleeding from wounds

D. Formation of an excessive amount of scabs

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4. The flowchart outlines the basic process of how a blood clot forms at the site of a wound.

What word would correctly replace the gap in statement 2?



A. Haemoglobin

B. Fibrin

C. Fibrinogen

D. Thromboplastin

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