

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?

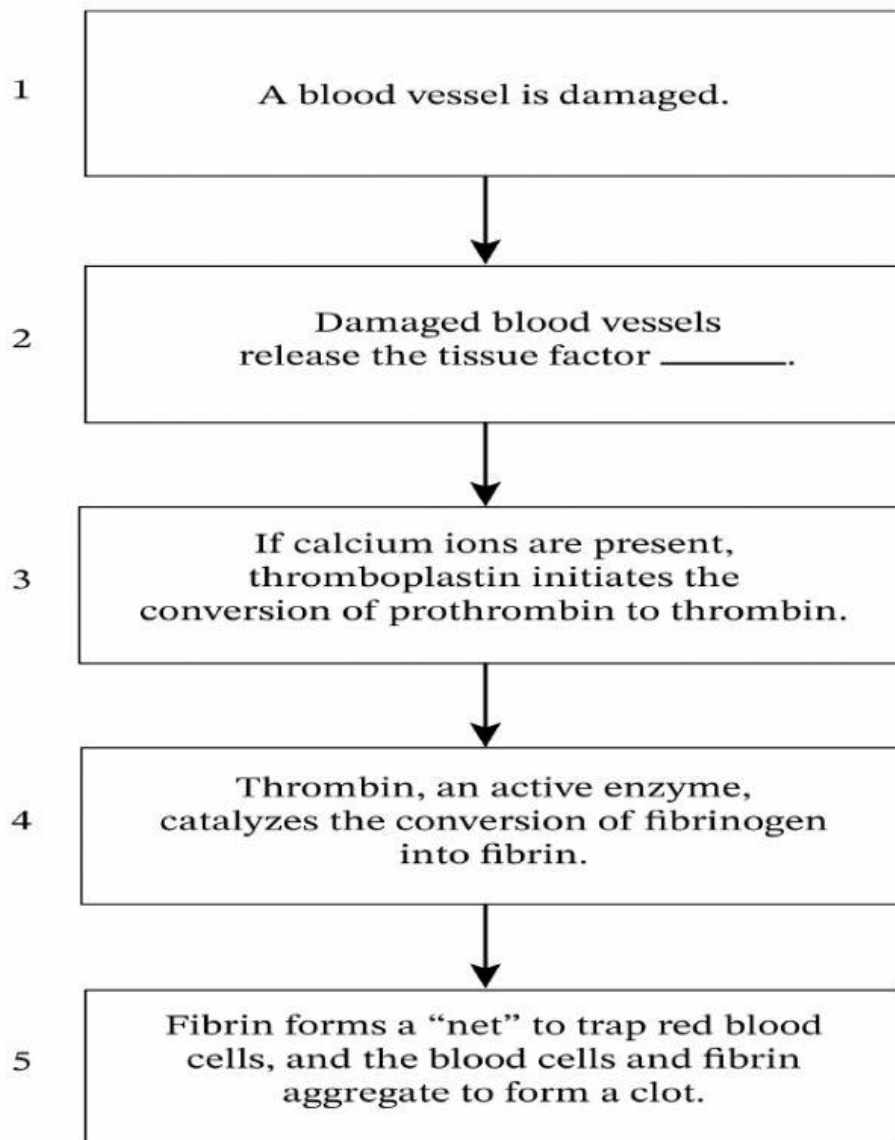
- A. To initiate the release of calcium ions to encourage the aggregation of blood cells
- B. To catalyze the conversion of soluble fibrinogen into insoluble fibrin
- C. To initiate the conversion of the protein prothrombin into the enzyme thrombin

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

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