

6.3 Defence Against Infectious Disease

Question Paper

Course	DP IB Biology
Section	6. Human Physiology
Topic	6.3 Defence Against Infectious Disease
Difficulty	Easy

Time allowed: 10
Score: /5
Percentage: /100

Question 1

Which component of blood has a role in preventing pathogens from entering the body?

- A. Red blood cells
- B. Blood plasma
- C. Platelets
- D. White blood cells

[1 mark]

Question 2

What is the principle purpose of sebum secretions onto the surface of the skin?

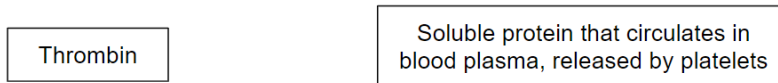
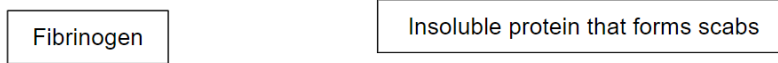
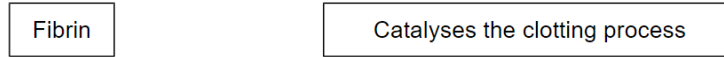
- A. To prevent microorganisms from sticking to the skin.
- B. To lower skin pH, which slows down the growth rate of microorganisms.
- C. To provide a surface texture to the skin that aids the evaporation of sweat.
- D. To assist in the formation of blood clots as a way of sealing wounds after a cut or graze.

[1 mark]

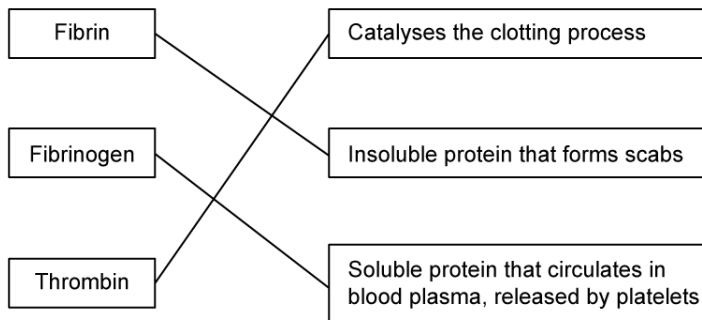
Question 3

This question is about the proteins involved in blood clotting.

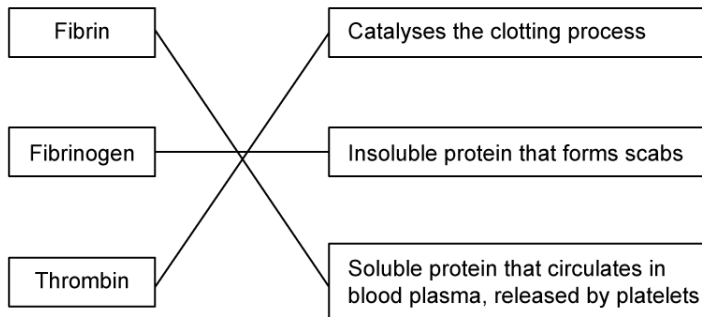
Which shows the 3 boxes on the left joined to the appropriate one on the right?



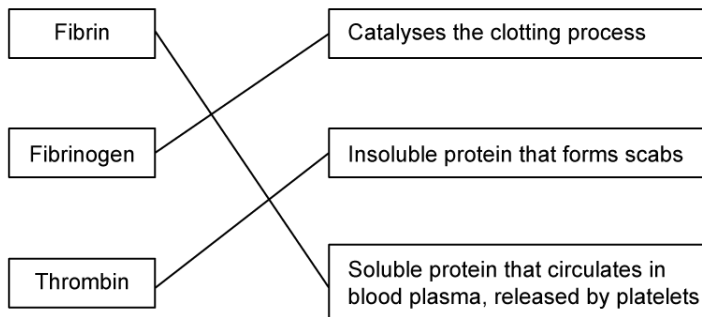
A.



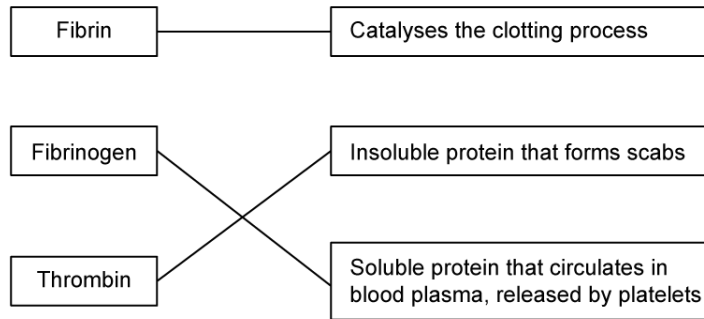
B.



C.



D.



[1 mark]

Question 4

Which phrase best fits into the gap in the following sentence?

The shape of antibody molecules gives each one a particular 3-D configuration. This allows each antibody to be _____ each individual pathogen.

- A. ...well suited to...
- B. ...specific to...
- C. ...functional against...
- D. ...the same shape as...

[1 mark]

Question 5

Which pair of scientists carried out research work that built upon the discovery of antibiotics by Alexander Fleming in 1929?

- A. Darwin and Wallace
- B. Crick and Watson
- C. Meselson and Stahl
- D. Florey and Chain

[1 mark]