

Blood: practice questions

5 questions • 11 marks • mark scheme at the back

For Cambridge IGCSE Combined Science 0653. **Supplement** is Extended content, only examined on Papers 2 and 4.

Name

Total / 11

1 Which component of blood transports urea? [1 mark]

- A. ☐ Red blood cells
- B. ☐ Platelets
- C. ☐ Plasma
- D. ☐ White blood cells

2 List the four components of blood. [2 marks]

3 Describe two features that help you to identify a red blood cell in a photomicrograph. [2 marks]

4 State the function of (a) red blood cells, including the role of haemoglobin, (b) white blood cells, (c) plasma. [4 marks]

5 **Supplement** [2 marks]

State two roles of blood clotting.

Mark scheme

One mark for each point unless a maximum is given. Words in brackets are not needed for the mark.

1. [1]

C C (1) Plasma transports urea

2. [2]

- red blood cells, white blood cells (1)
- platelets, plasma (1)

3. [2]

- no nucleus (1)
- small / round / pale in the middle / more numerous (1)
- allow biconcave shape

4. [4]

- (a) transport oxygen (1)
- haemoglobin combines with oxygen (1)
- (b) phagocytosis and antibody production (1)
- (c) transports blood cells / ions / nutrients / urea / hormones / carbon dioxide (1)

5. [2] **Supplement**

- prevents blood loss (1)
- prevents entry of pathogens (1)