

**SUBJECT: BIOLOGY**  
**TOPIC: Blood circulatory system**  
**GRADE: 9 (EP)**

**WORKSHEET 2**

**NAME:** \_\_\_\_\_

**CLASS:** \_\_\_\_\_

1. Circle the correct answer.

a) Which one of the following characteristics helps red blood cells to transport oxygen?

- A. They contain cytoplasm.
- B. They do not contain a nucleus.
- C. They have a cell membrane.
- D. They are numerous.

b) Which organ pumps blood around the body?

- A. heart                      B. lungs                      C. artery                      D. mouth

c) Which component of the blood contains 90% of water?

- A. platelets                      B. red blood cells                      C. white blood cells                      D. plasma

d) Which of the following has the thinnest wall?

- A. artery                      B. capillary                      C. heart                      D. vein

e) Blood clotting at a wound is brought about by the

- A. platelets                      B. red blood cells                      C. white blood cells                      D. plasma

**2. Match each term in column A with its correct description in column B.**

**Column A**

- Capillaries
- Valves
- Pulse
- Heart
- White blood cells

**Column B**

- Can be felt in arteries
- Protect the body against infection
- Allow exchange of substance between blood and body cells
- Organ which pumps blood
- Prevent backflow of blood

3. Figure 1 below shows some blood components.

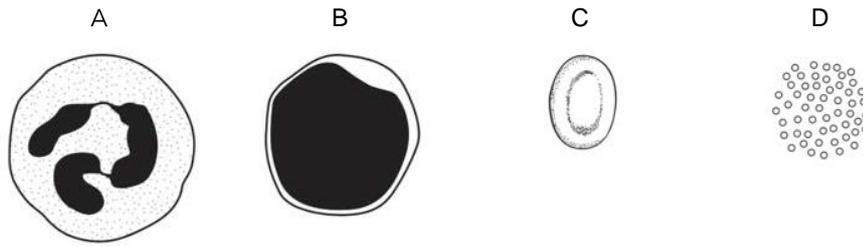


Figure 1

a) Using letters A, B, C, and D, state which of the blood component:

i. contains haemoglobin: \_\_\_\_\_

ii. are fragments of cell: \_\_\_\_\_

iii. digests bacteria: \_\_\_\_\_

iv. transport oxygen: \_\_\_\_\_

v. produces antibodies: \_\_\_\_\_

vi. helps in blood clotting: \_\_\_\_\_

4. Put a tick in the appropriate column to indicate the right answer.

	Arteries	Veins	Capillaries
Carry blood to the heart			
Valves present			
Blood flows in pulse			
Carry blood away from the heart			
Large lumen			
Exchange of materials at the cells			