

Name:

Date:

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## Short Answer Questions

Write your answers to each question below.

1. List the components of blood and their primary roles.

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2. What is the primary function of red blood cells?

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3. How do white blood cells contribute to the immune system?

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4. Explain the role of platelets in blood clotting.

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# Answers

## Short Answer Questions

Write your answers to each question below.

1. List the components of blood and their primary roles.
  - Plasma: Carries blood cells, nutrients, and waste products.
  - Red blood cells (erythrocytes): Transport oxygen and carbon dioxide.
  - White blood cells (leukocytes): Defend against infections and pathogens.
  - Platelets (thrombocytes): Help in blood clotting.

2. What is the primary function of red blood cells?

The primary function of red blood cells is to transport oxygen from the lungs to body tissues and return carbon dioxide back to the lungs.

3. How do white blood cells contribute to the immune system?

White blood cells protect the body by attacking and destroying pathogens such as bacteria and viruses.

4. Explain the role of platelets in blood clotting.

Platelets help in blood clotting by forming clumps at injured sites to stop bleeding and initiate tissue repair.