



## The Circulatory System and its Parts

### A. Choose the Correct Answer:

1. **What is the main function of the circulatory system?**
  - A) To digest food
  - B) To transport oxygen, nutrients, and wastes throughout the body
  - C) To help in breathing
  - D) To support body movement
2. **What is the name of the muscular organ that pumps blood throughout the body?**
  - A) Brain
  - B) Lungs
  - C) Heart
  - D) Liver
3. **Which of the following is a type of blood vessel?**
  - A) Nerves
  - B) Arteries
  - C) Bones
  - D) Muscles

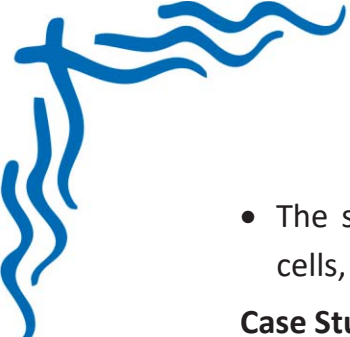
### B. Fill in the Blanks:

1. The \_\_\_\_\_ is a muscular organ that pumps blood throughout the body.
2. The \_\_\_\_\_ carry blood away from the heart.
3. The \_\_\_\_\_ are tiny blood vessels where the exchange of gases and nutrients takes place.

### C. Case Study:

A group of students visited a science museum. They saw a model of the human circulatory system.

- The guide explained that the heart pumps blood through the body.
- They learned that arteries carry blood away from the heart, while veins bring it back.
- They were amazed to know that tiny capillaries connect arteries and veins and help in the exchange of oxygen and nutrients.

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- The students also discovered that blood is made up of red and white blood cells, plasma, and platelets.

**Case Study Questions:**

1. What is the main organ responsible for pumping blood in the circulatory system?
2. What is the role of arteries in the circulatory system?
3. Why are capillaries important for the exchange of gases and nutrients?
4. Name two components of blood mentioned in the case study.

**D. Short Answer Questions:**

1. What is the function of the circulatory system?
2. What are blood vessels? Name the three types.
3. Why is blood important for our body?

**E. Long Answer Questions:**

1. Explain the three main parts of the circulatory system with their functions.
  2. Why is the heart an essential part of the circulatory system?
  3. How does blood flow through the circulatory system?
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