The Haematic System

The most numerous cells in the blood are red blood cells. They contain which, when oxygenated, gives blood its red colour. Its iron-containing part provides the transport of oxygen and carbon dioxide. White blood cells help resist infections, and platelets are important in the of blood, also called blood clotting. Blood circulates round the body via blood by the pumping action of the heart. Medical terms related to blood often begin with *haemo-* or *haemato-* (US: *hemo-* and *hemato-*), from the Greek word *haima* for blood. Anatomically, blood is considered a tissue for both its origin in the bones and its function.

Blood accounts for seven per cent of the human body, with an average density of approximately 1060 kg/m³, very close to pure water's density of 1000 kg/m³. The average adult has a blood volume of about litres.

Human blood is divided into four groups: A, B, AB, 0, according to the type of on the surface of red blood cells. Blood, generally for subsequent use in blood transfusions.

erythrocytes plasma four erythropoiesis concave leukocytes bank up vessels haemoglobin connective donation blood serum tissue platelets granulocytes bone marrow agranulocytes antigens coagulation against weight proteins volume

The Lymphatic System

- 1. What are the individual parts of the lymphatic system?
- 2. Which organ is the filter for lymph?
- 3. Which part of the body serves as the storehouse for the cellular debris collected by the lymphatic system?
- 4. Which organ protects the body from infections at the entrance to the digestive and respiratory tracts?