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- 1) what are the components of the transport system in human beings? what are the functions of these components?

→ The components of the transport system in human beings are the heart, blood and blood vessels. The function of the heart is to pump oxygenated blood throughout the body and receives deoxygenated blood from the various body parts and sends this impure blood to the lungs for oxygenation. Blood has three main functions: transport, protection, and regulation. Blood transports the following substances: Gases, namely oxygen (O_2) and carbon dioxide (CO_2), between the lungs and rest of the body. Nutrients from the digestive tract and storage sites to the rest of the body. The function of blood vessels is to transport blood throughout the body.

throughout the body.

EXERCISE

⑩ what would be the consequences of a deficiency of haemoglobin in our bodies?

→ Deficiency of hemoglobin in the human body will result in anaemia. Hemoglobin is present in red blood cells which carry oxygen to cells of the body. A decrease in its amount will result in a decrease in the oxygen-carrying capacity of blood. The person may suffer from breathlessness and fatigue which may be a symptom of anaemia.