**Blood and Circulation**

The circulatory system consists of three organs. They are:



Its function is to transport various substances around the body. Some of these are:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Blood**

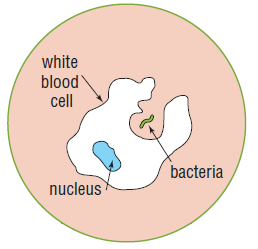
The human body has about \_\_\_\_\_ litres of blood. Human blood is made of four components; plasma, red blood cells, white blood cells and platelets.

**Plasma**

Plasma is the main component of blood, consisting mainly of \_\_\_\_\_\_\_ . It is pale \_\_\_\_\_\_\_\_ in colour. Plasma carries \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_ . Suspended in the plasma are the \_\_\_\_\_\_\_\_ and \_\_\_\_ blood cells and \_\_\_\_\_\_\_\_\_\_ .

**Red Blood Cells**

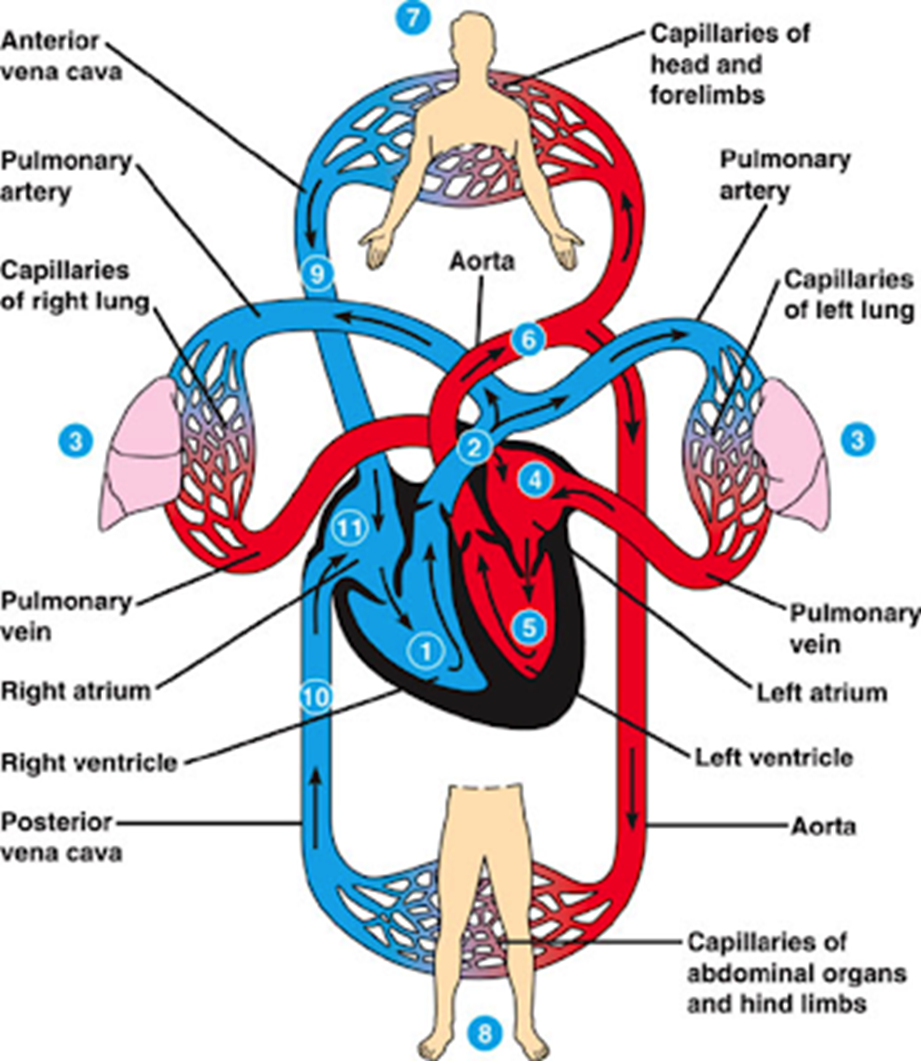
Red blood cells carry \_\_\_\_\_ throughout the body. Oxygen combines with an \_\_\_\_\_ containing chemical called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the blood cells. Red blood cells are \_\_\_\_\_\_\_ shaped and do not have a \_\_\_\_\_\_\_\_\_\_\_ .

**White Blood Cells**

White blood cells are \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ than red blood cells. They have \_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_ , but possess a \_\_\_\_\_\_\_\_\_\_ . White blood cells are mostly involved in \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ . They protect the body from disease by ‘eating’ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ in the blood.

**Platelets**

Platelets are tiny cells with no \_\_\_\_\_\_\_\_\_ . They are involved in the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ \_\_\_\_\_\_\_\_\_ . Platelets form sticky \_\_\_\_\_\_\_ that plug up damaged \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ .



**Circulation**

1. Describe the path blood takes through the body from the right ventricle (1) to the left ventricle (5)

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1. Describe the path blood takes from the left ventricle (5), back to the right ventricle (1)

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