


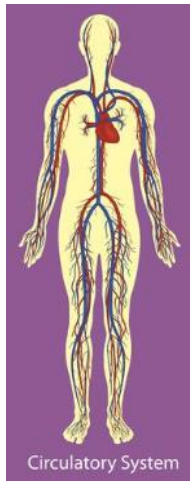




SYSTEMS IN THE BODY

You've looked at some systems of the body in Y3 and Y4: the skeletal system, the muscular system and the digestive system. Here's a reminder:

 <p style="text-align: center;">Skeletal System</p>	<p>Skeletal System</p> <p>Includes: the cranium (skull) the vertebrae (back bone) the patella (knee cap) Bones join together to make joints</p> <p>Functions: Protection Movement Support</p>	 <p style="text-align: center;">Muscular System</p>	<p>Muscular System</p> <p>Includes: Biceps (upper arms) Hamstrings (upper leg) Abdominals (stomach)</p> <p>Functions: Body movement Strength</p>	 <p style="text-align: center;">Digestive System</p>	<p>Digestive System</p> <p>Includes: Mouth Oesophagus Stomach Intestines (bowel) Liver Pancreas</p> <p>Functions: Break down food Excrete waste</p>
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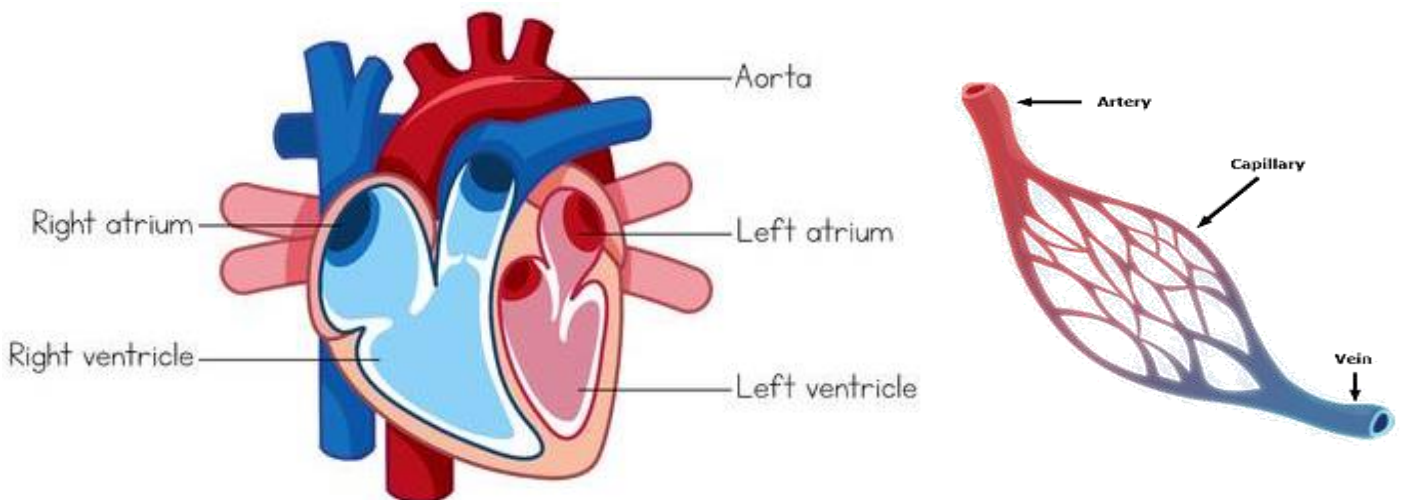


The Circulatory System

The word **circulation** means 'to move around'. The circulatory system is a system which pumps blood around our body to deliver **oxygen (O₂)** and remove **carbon dioxide (CO₂)**.

The circulatory system contains the organs of **the heart** and **the lungs**.

The heart is a powerful organ that is situated between your lungs and protected by the ribcage. The heart pumps blood to the lungs to collect oxygen. The heart then pumps this oxygenated blood around the body through blood vessels.



Blood vessels are split into three types:

Arterial blood vessels – arteries carry blood away from the heart.

Venous blood vessels – veins carry blood to the heart.

Capillaries connect the arteries and the veins.

Your Task

Answer the following questions:

1. The Circulatory System is made up of:
a. The lungs and the liver b. The liver and the heart c. The heart and the lungs
2. CO₂ is the symbol for:
a. Blood b. Carbon Dioxide c. Oxygen
3. The heart is protected by:
a. The ribcage b. The vertebrae c. The cranium
4. Arteries carry blood:
a. Towards the heart b. Away from the heart c. Away from the lungs
5. Capillaries are tiny blood vessels that:
a. Join arteries to veins b. Join veins to veins c. Join the heart to the lungs

Challenge:

Label the diagram of the heart

