



Circulatory System Parts

twinkl

Aim

- I can identify and name the parts of the human circulatory system.

Success Criteria

- I can identify the parts of the circulatory system.
- I can name the parts of the circulatory system.



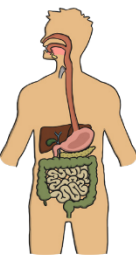
Systems in the Body: a Reminder



In Years 3 and 4, you may have learnt about a number of different systems in the body. What can you remember about each of the pictures shown below ?

Systems in the Body

Name of the System.		
Name at least 3 different parts of the system.		
Does this system contain organs? If so, which ones?		
What is the purpose of the system?		
Why is this system		

Picture of the System			
Name of the System	Skeletal System	Muscular System	Digestive System
Name at least 3 different parts of the system	<p>Common bone names: skull, rib, rib cage, collar bone, ankle bones, upper arm bone, thigh bone, lower leg bone, finger bones, hand bones, shoulder blade, jaw, backbone, wrist, hips, knee cap, foot bones, lower arm bones, , toe bones, breastbone.</p> <p>Scientific bone names: cranium, vertebral column, costal, thoracic cage, sternum, clavicle, talus, tarsals, humerus, femur, tibia, fibula, phalanges, metacarpals, scapula, mandible, carpals, pelvis, patella, metatarsals, radius, ulna</p> <p>Types of joints: hinge joint, ball and socket joint, gliding joint</p>	<p>Apart from the arm muscles, children may not know the scientific names of the muscles in the body. It is enough to identify them by locating them on the body.</p> <p>Biceps, Triceps (in the arm)</p> <p>Thigh (in the leg)</p> <p>Face muscles</p> <p>Back and stomach muscles</p> <p>Any other muscle or muscle group that demonstrates knowledge of the part of the body if not the muscle name</p>	<p>Mouth, tongue, teeth, salivary glands, oesophagus, stomach, duodenum, small intestine, large intestine, gallbladder, pancreas, liver, rectum, anus.</p>
Does this system contain organs? If so, which ones?	No	No	Yes - e.g. stomach, small intestine, large intestine, liver, pancreas.
What is the purpose of the system?	<ul style="list-style-type: none"> • Support the body • Give the body shape • Protect the body • Enable movement 	<ul style="list-style-type: none"> • Allow the body to move • Give control over movement 	<ul style="list-style-type: none"> • Break down food into nutrients • Extract water from food • Excrete waste from the body

Systems in Your Body



We have just reminded ourselves about the skeletal, muscular and digestive systems in the body.

Do you know any other systems in the body?



Systems in Your Body



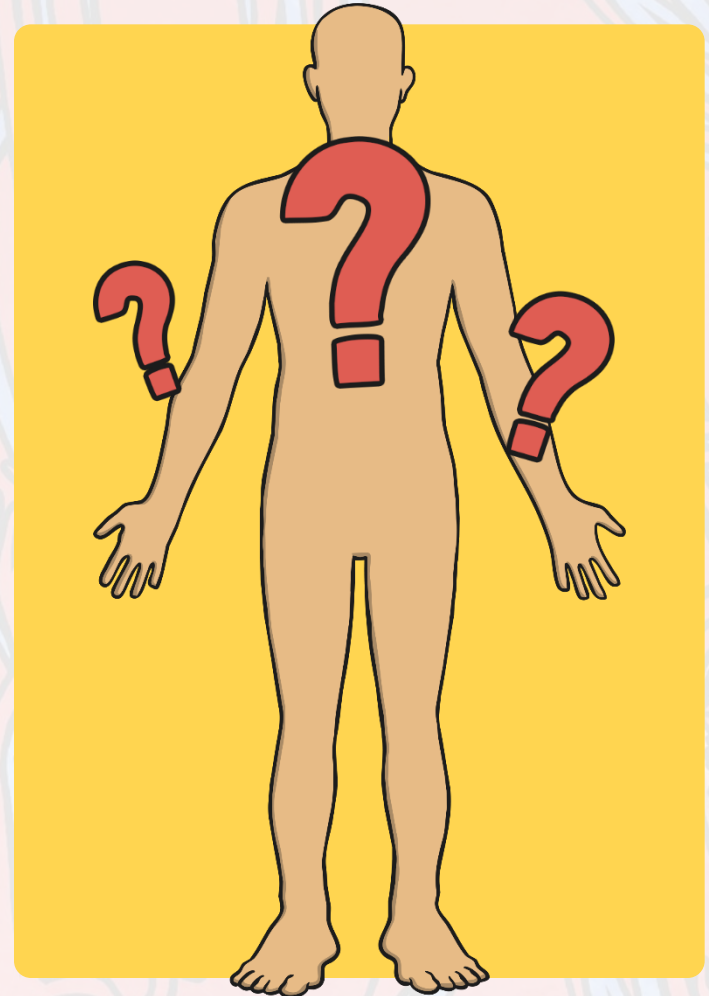
The system we will look at for the rest of this lesson is called the:

'Circulatory System'.

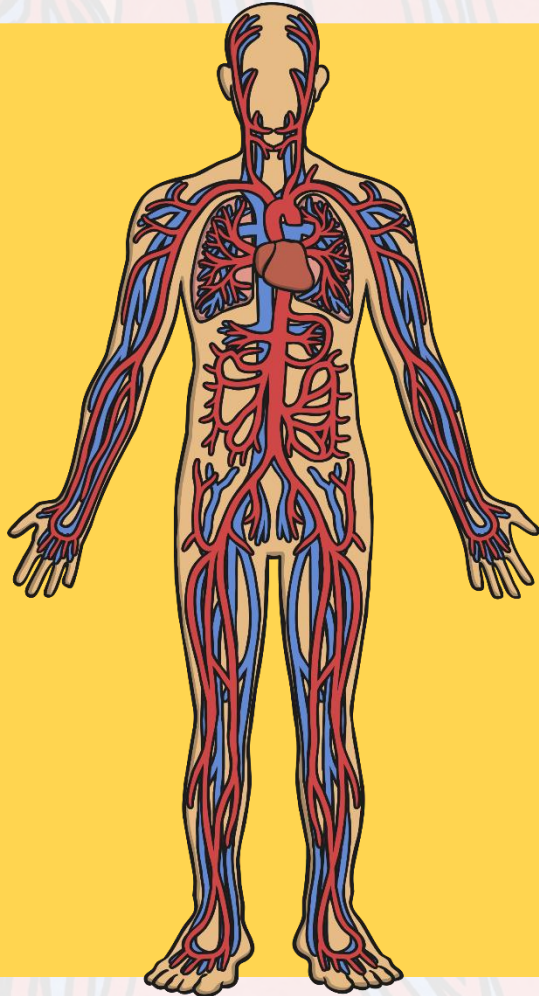
The word **circulation** means 'the movement to, fro or around something'.

What does the system do?

What are the parts of the system?



The Circulatory System



What can you see?

Is this what you expected?

Are there parts you did not expect to be in the circulatory system?

Parts of the Circulatory System: Heart

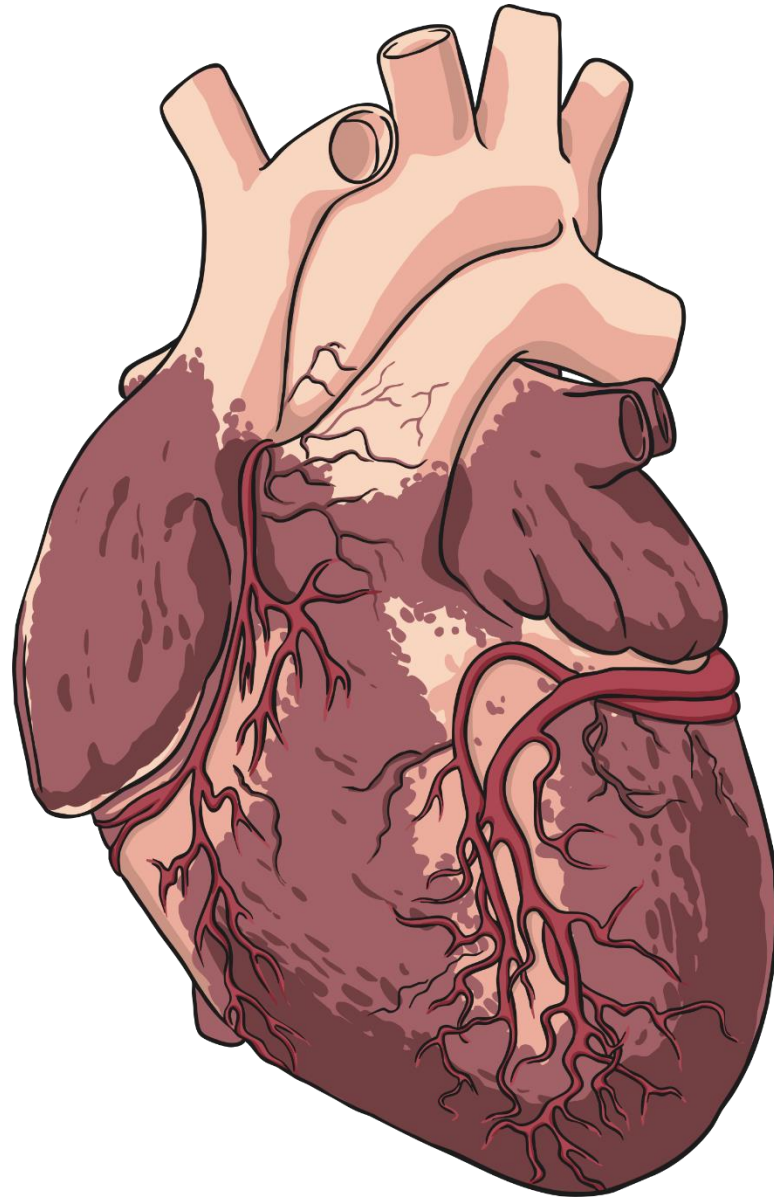
The heart is a powerful organ that is situated between your lungs and protected by the ribcage.

The heart pumps blood to the lungs to get oxygen.

The heart then pumps this oxygenated blood around the body.

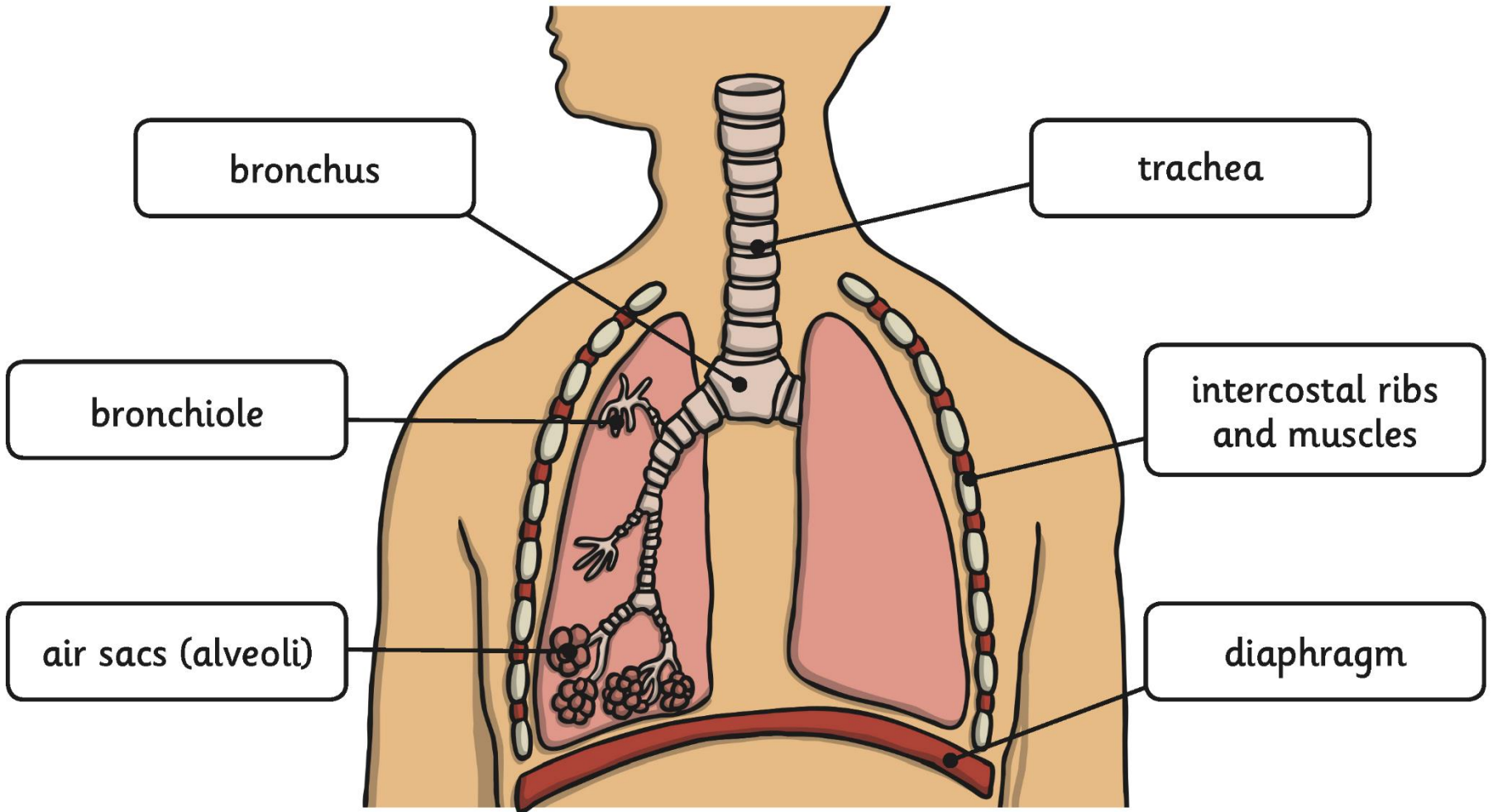
The heart is split between the left and right side.

As you can see, it consists of many parts!



Parts of the Circulatory System: Lungs

Air breathed in through the mouth or nose travels down the trachea, through the bronchi into one of the lungs. The air travels into the bronchioles and into the air sacs (alveoli).



Parts of the Circulatory System: Blood Vessels

Blood vessels can be split into three types:

Arterial blood vessels - arteries:

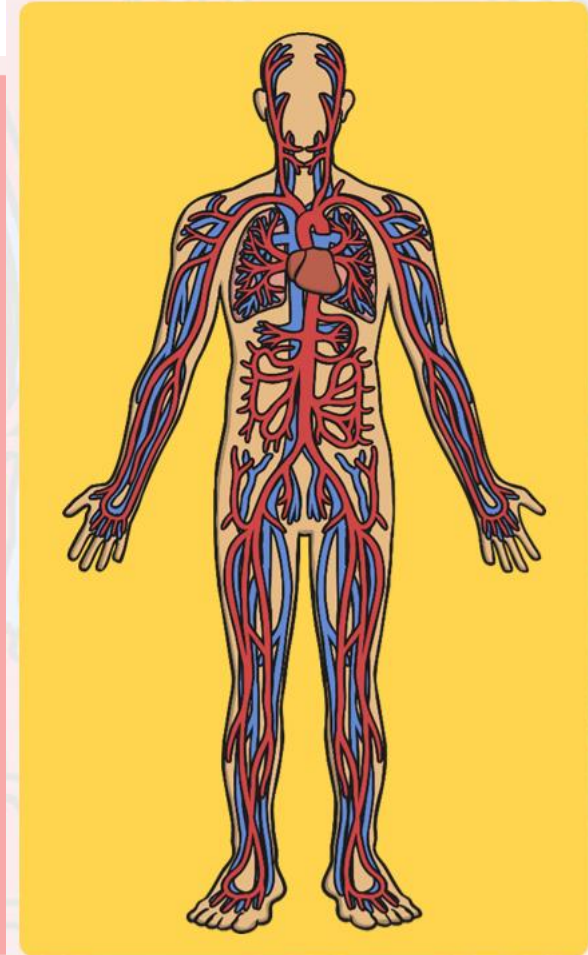
Arteries are blood vessels that carry blood away from the heart.

Venous blood vessels - veins:

Veins are blood vessels that carry blood to the heart.

Capillaries:

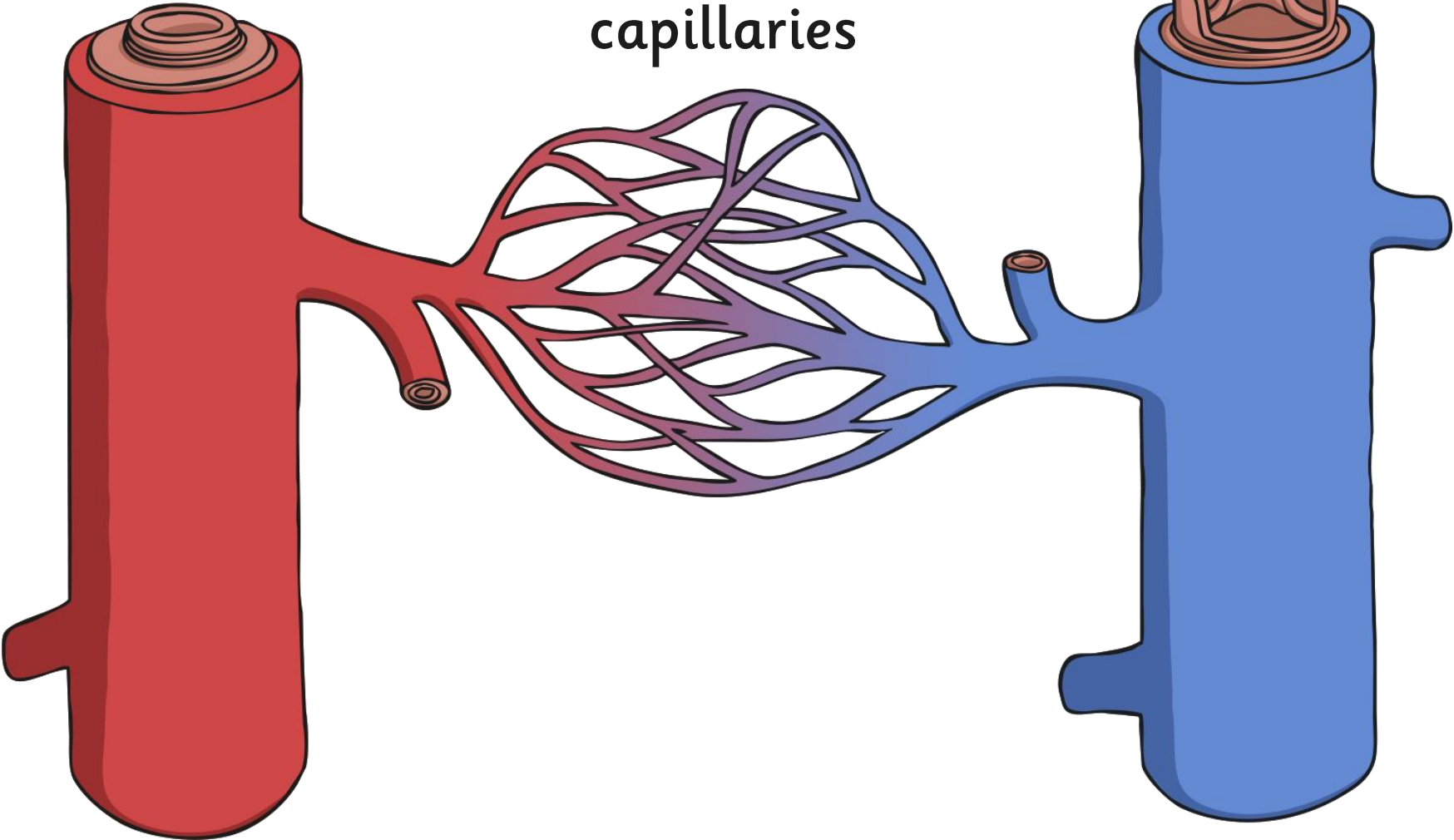
These are the smallest blood vessels. Capillaries connect the arteries and the veins and are the place where water and chemicals exchange in the blood.



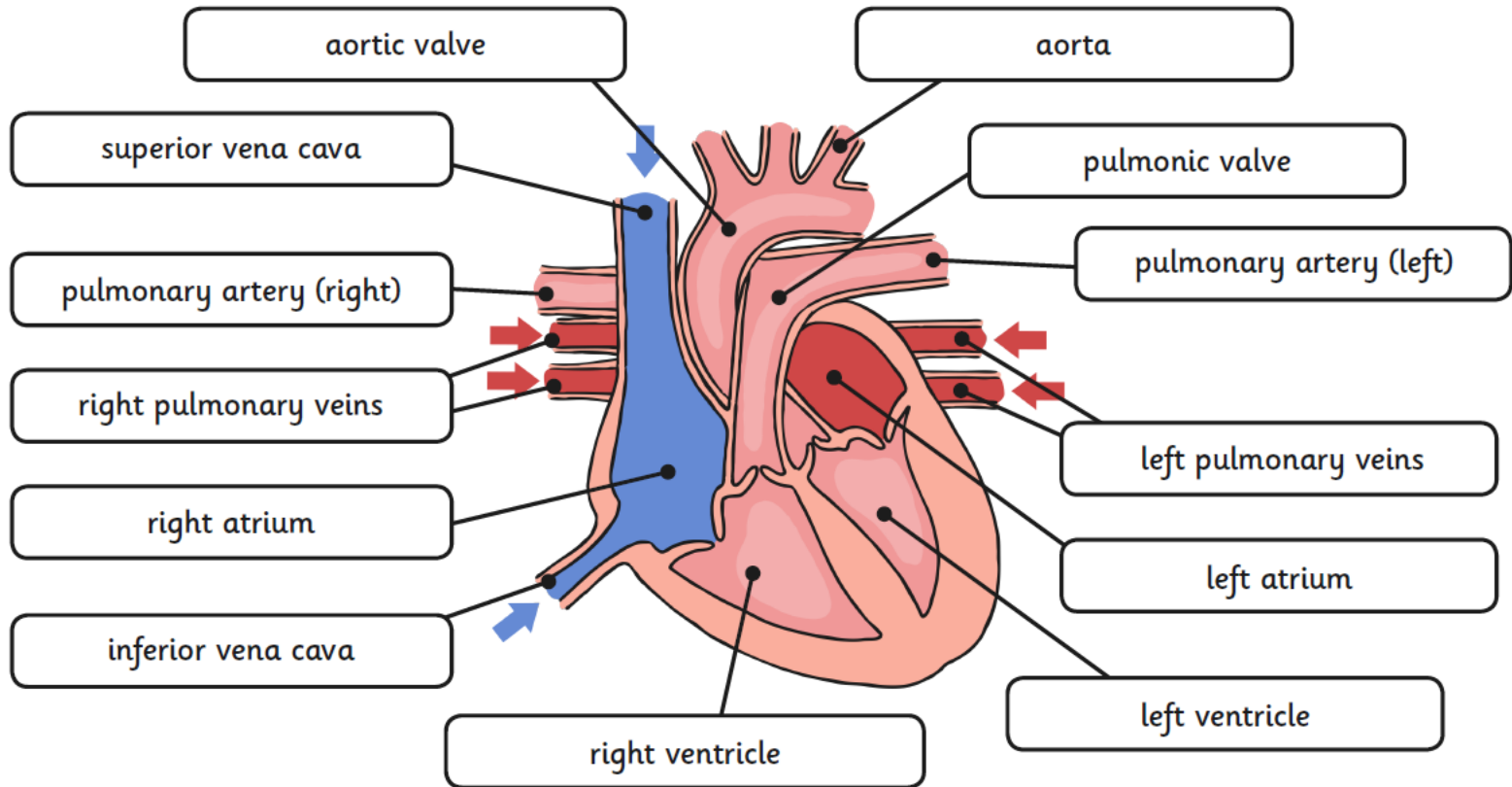
artery

vein

capillaries



Parts of the Heart Word Mat



Parts of the Lung Word Mat

