



Science

Animals Including Humans



Circulatory System

Parts

**And skeleton
recap!**

twinkl

Before we start!

Look at page 11 of your booklet.

You have 5 minutes to see what you know!

Your time starts now!

Aim

- To revise the bones of the body.
- I can identify and name the parts of the human circulatory system.

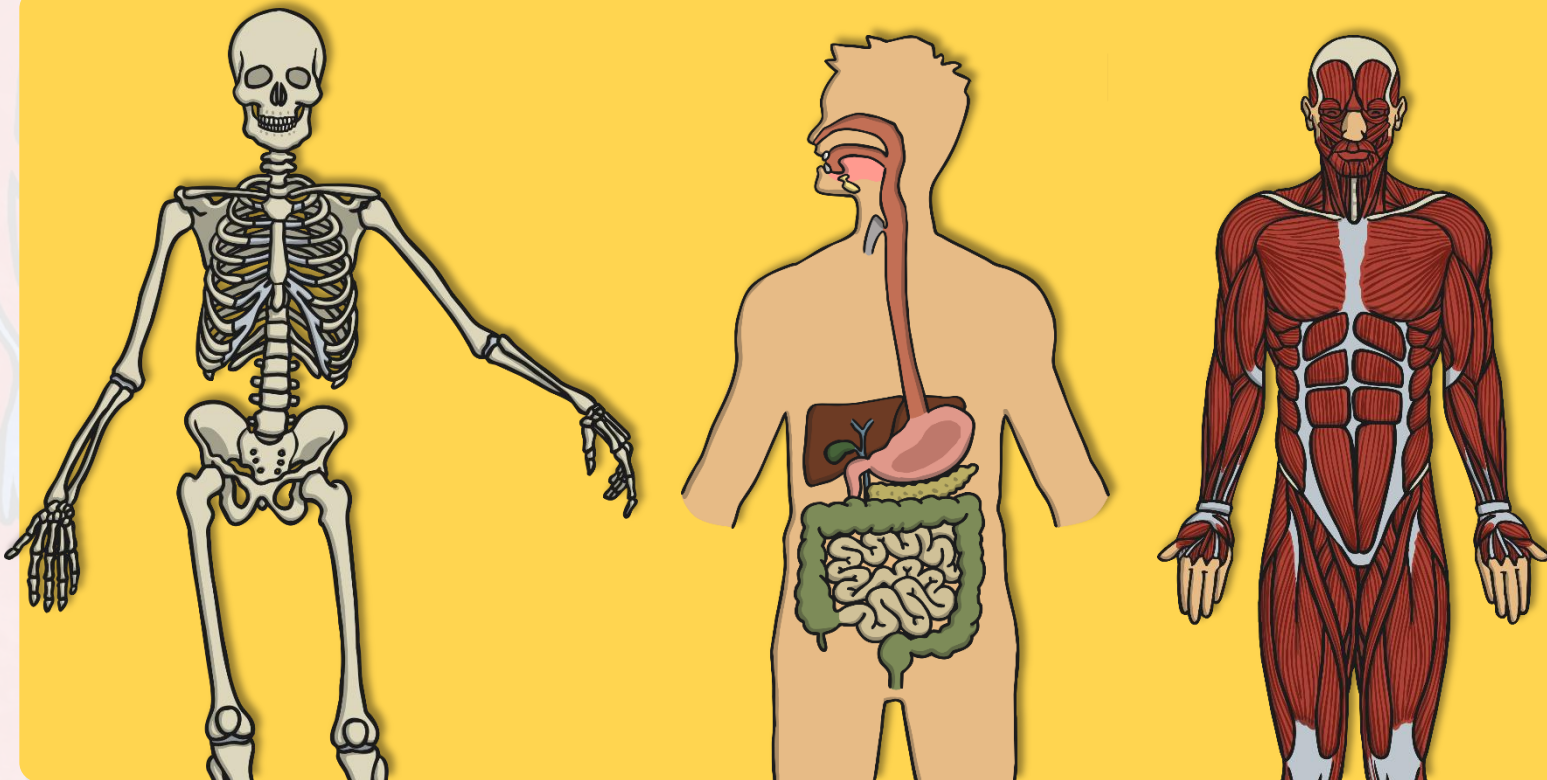
Success Criteria

- I can identify different bones in the human body and explain some of their functions.
- I can identify the parts of the circulatory system.
- I can name the parts of the circulatory system.

Systems in the Body: a Reminder



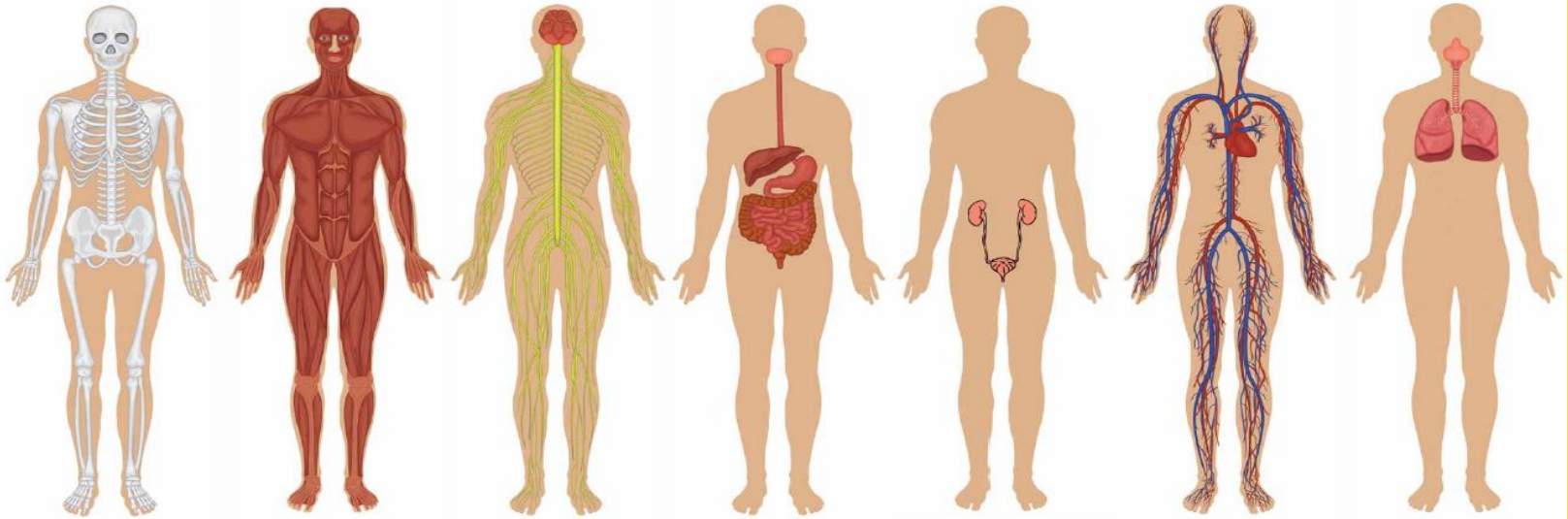
There are a number of systems in the human body. **Look on page 1** of your booklet, can you recognise which is which?



Systems in the Body: a Reminder



Page 1 answers



Skeletal
system

Muscular
system

Nervous
system

Digestive
system

Renal
system

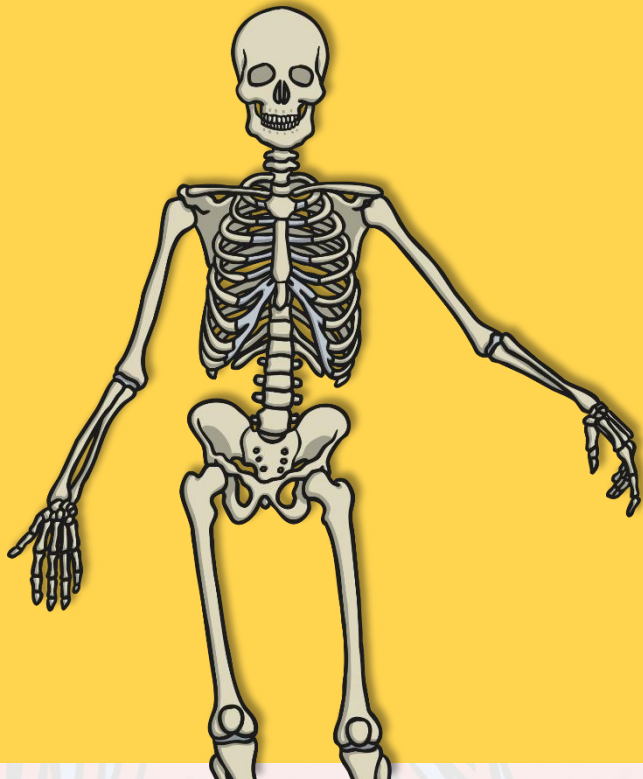
Circulatory
system

Respiratory
system

Systems in the Body: a Reminder – Skeletal system



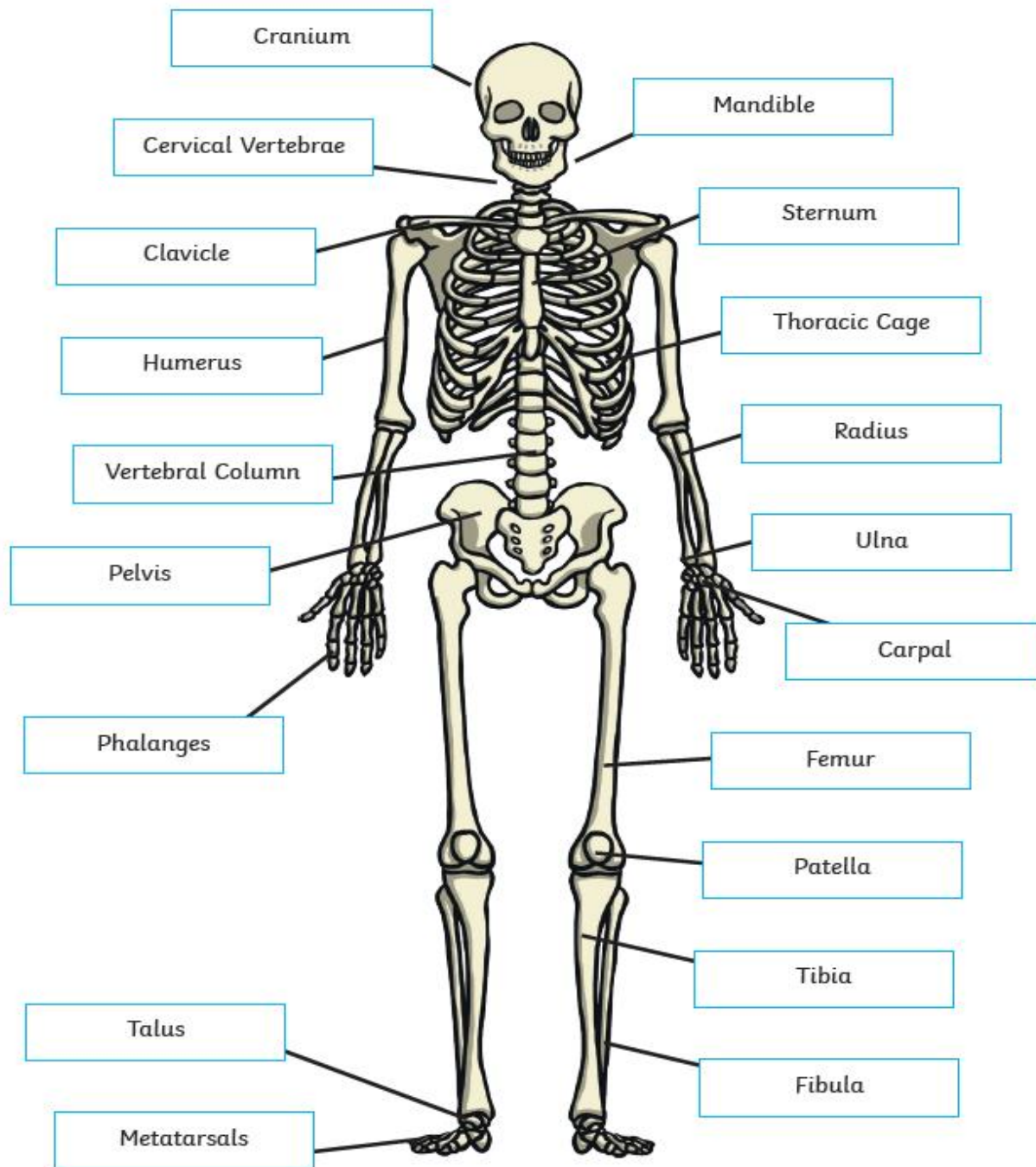
Look at page 2 of your booklet. Can you remember what the bones in the body are called and some of their functions?



Look at the next slide to see a labelled skeleton diagram.

To find out more, have a look at this interactive diagram of the human skeleton:

<https://www.dkfindout.com/uk/human-body/skeleton-and-bones/skeleton/>



Click on
picture to
hide

Systems in Your Body



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

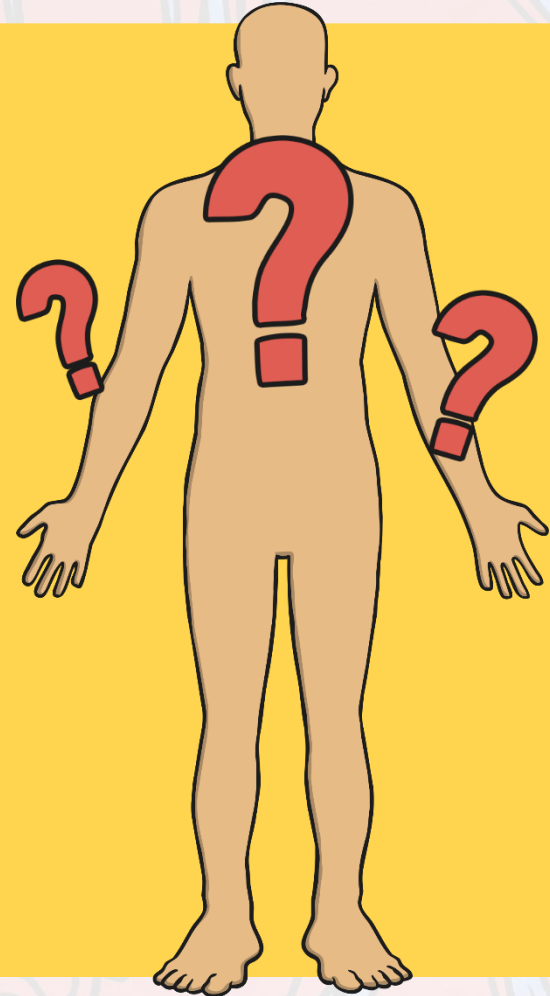
‘Circulatory System’.

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

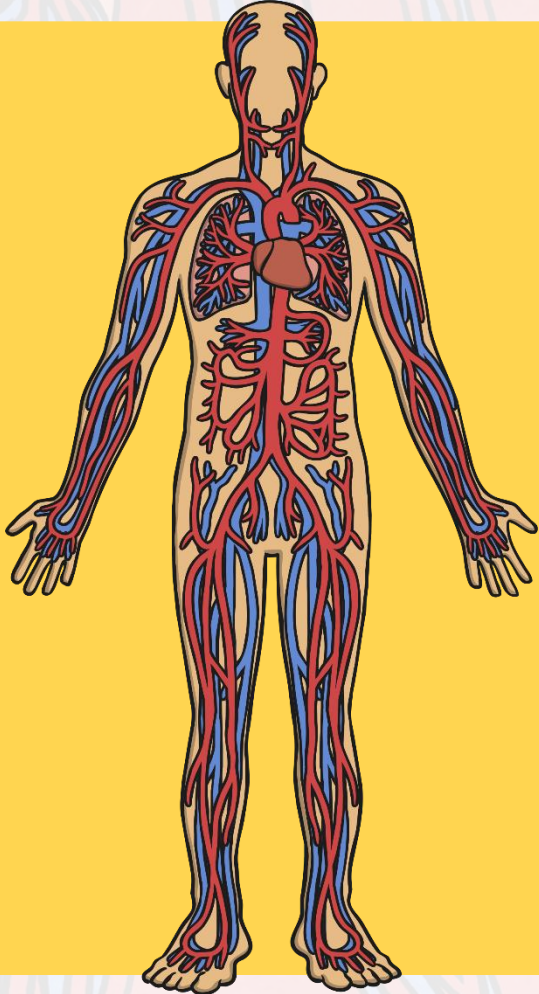
Have a think:

What do you think the system does?

Do you know the names of any 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.

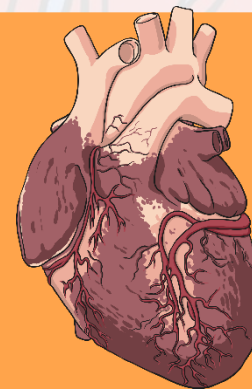
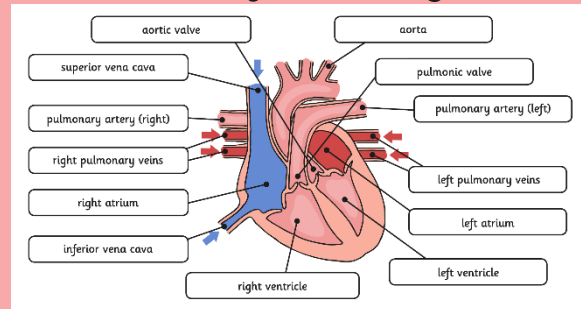
The heart pumps blood to the lungs to get oxygen.

The heart then pumps this oxygenated blood around the body.

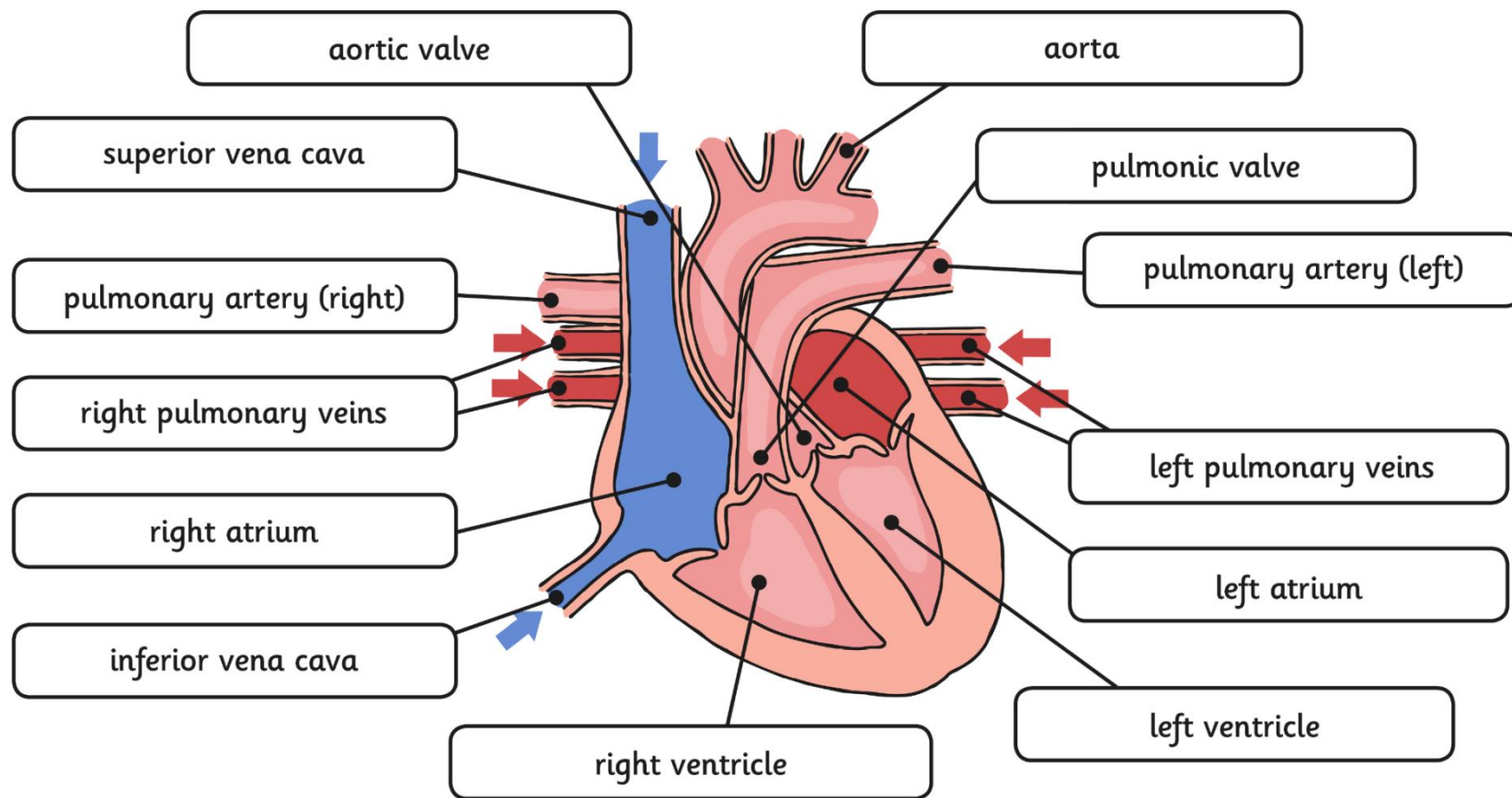
The heart is split between the left and right side.

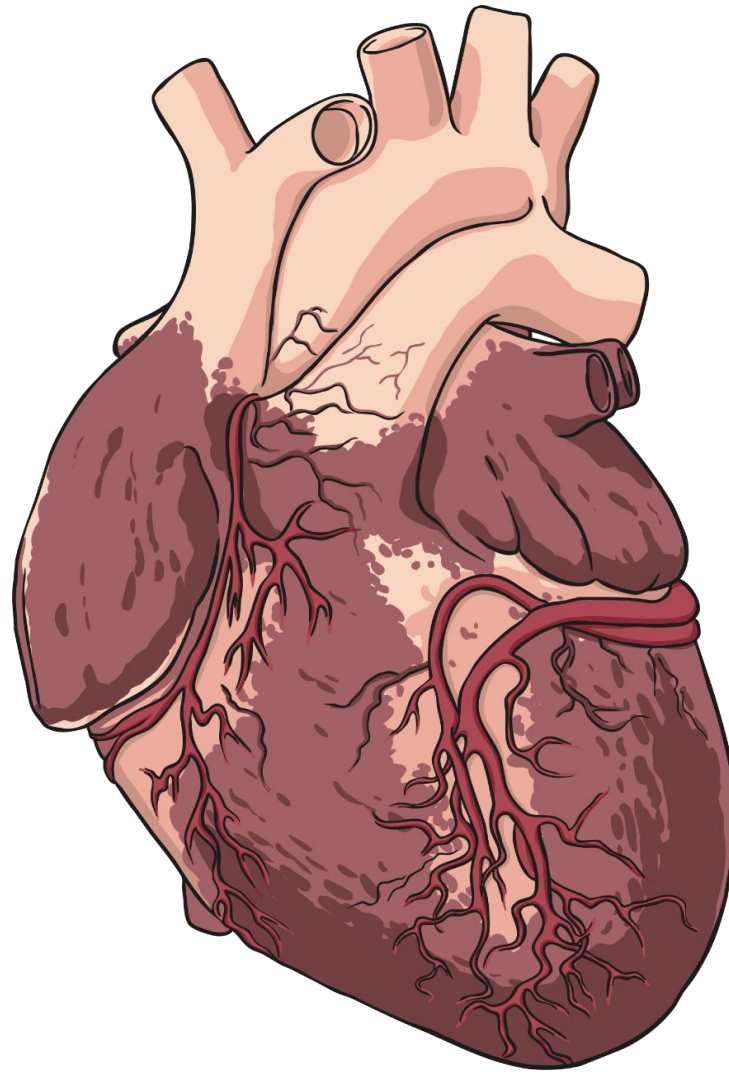
As you can see, it consists of many parts!

The next slide shows a larger version of this diagram

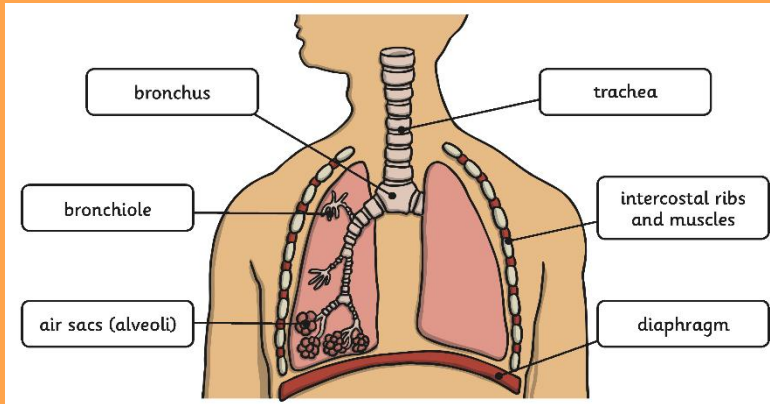


In 2 slides, there is a larger version of this diagram



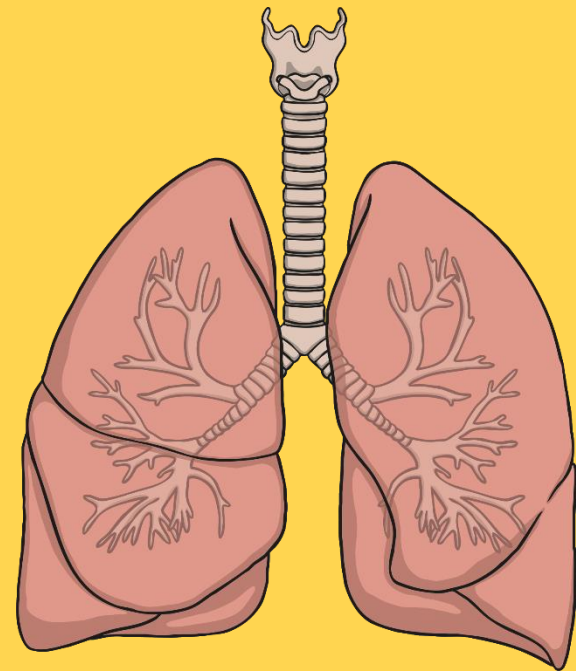


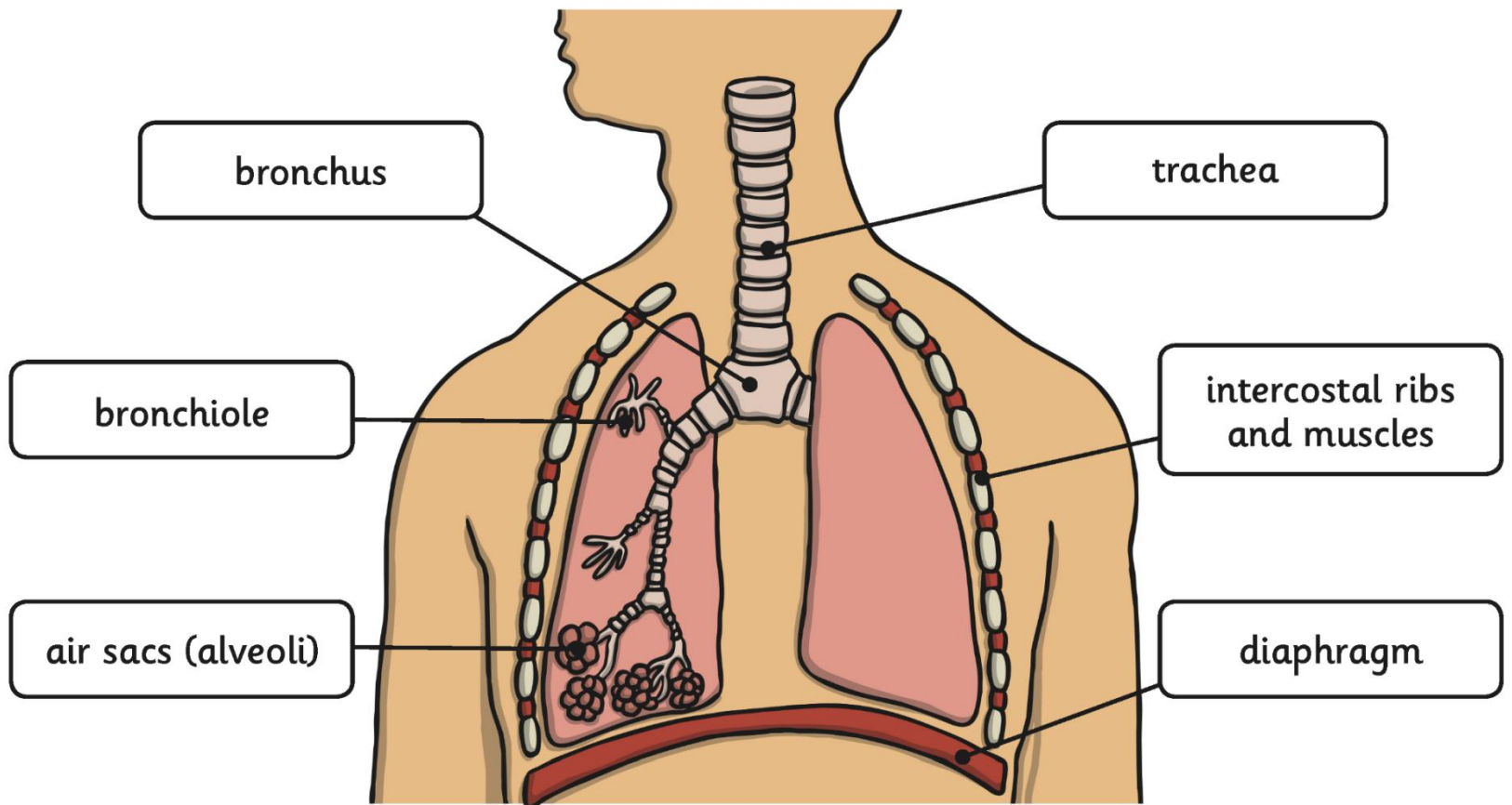
Parts of the Circulatory System: Lungs



The next slide has a larger version of this diagram.

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). From here, the gas is able to pass in to the bloodstream.





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.

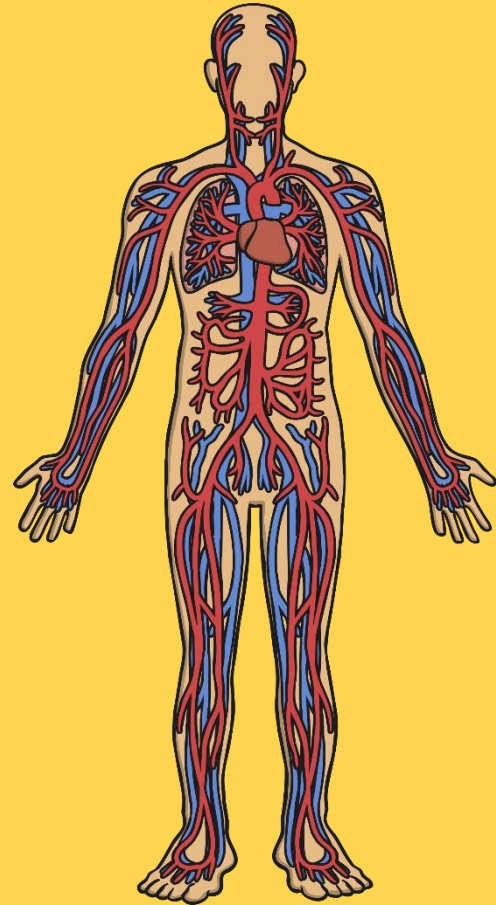
Venous blood vessels - veins:

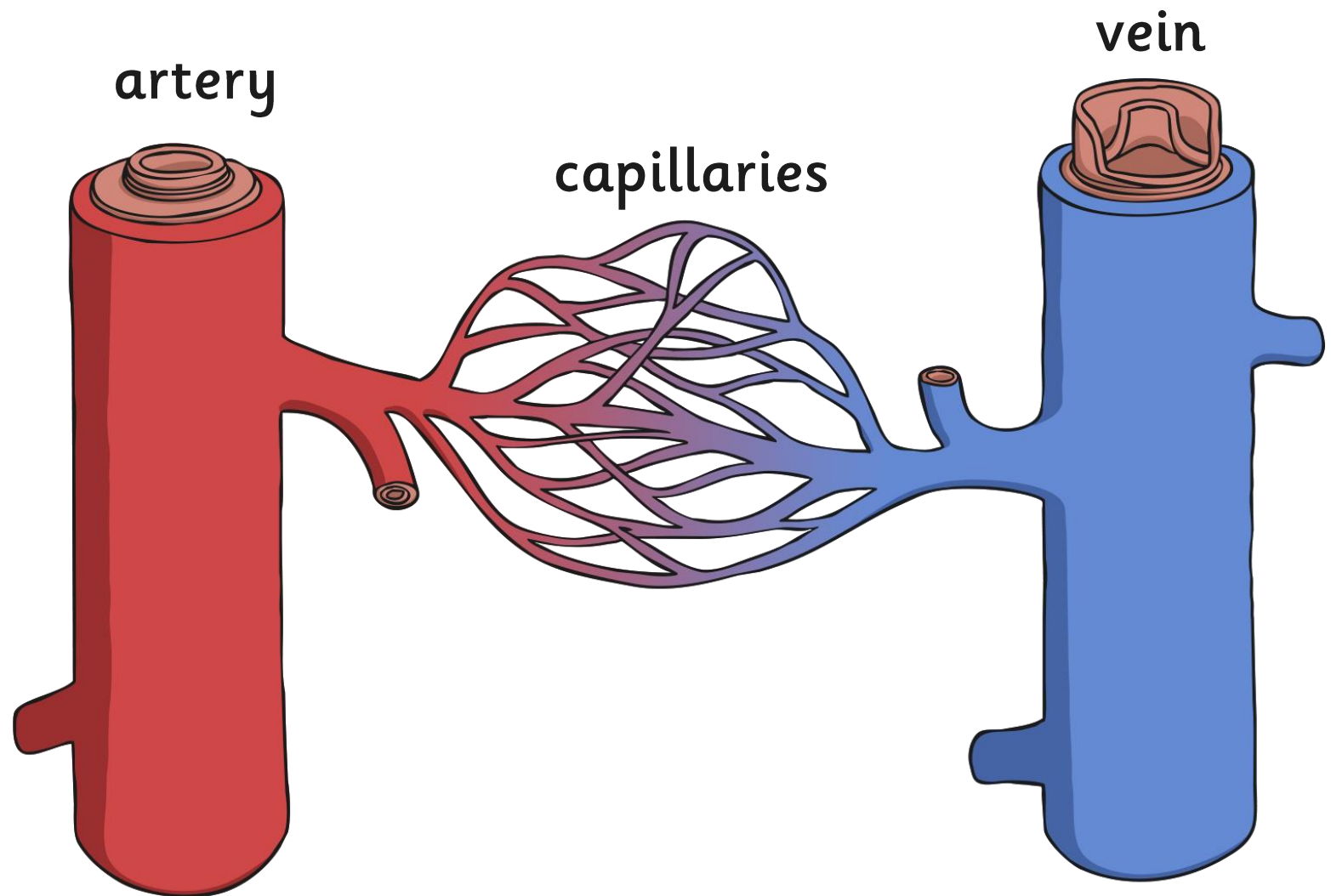
Veins are blood vessels that carry blood to the heart.

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.

The next page shows a diagram of how arteries and veins are linked.





Parts of the Circulatory System



Complete page 3 in your booklet about the circulatory system.

