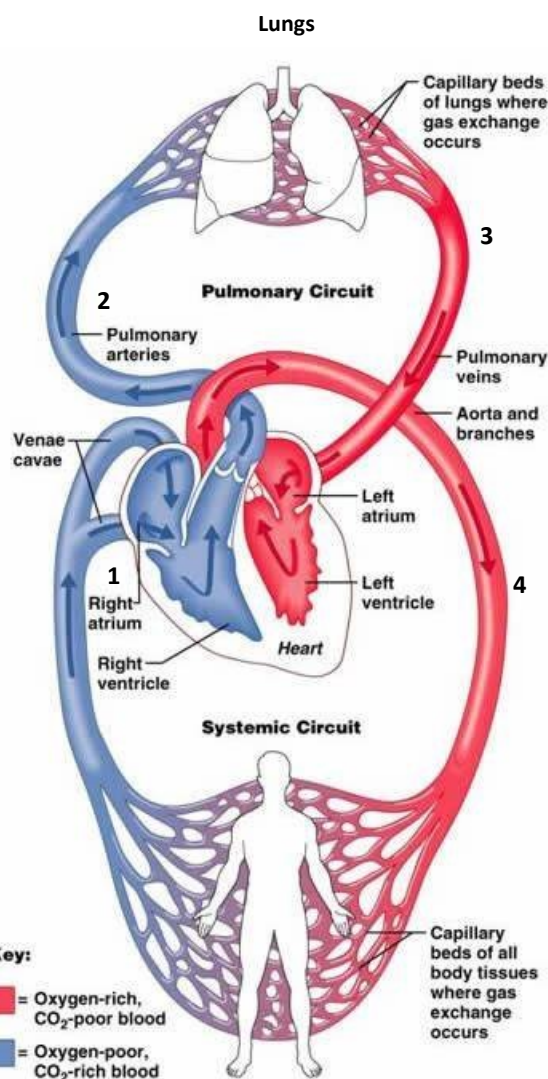
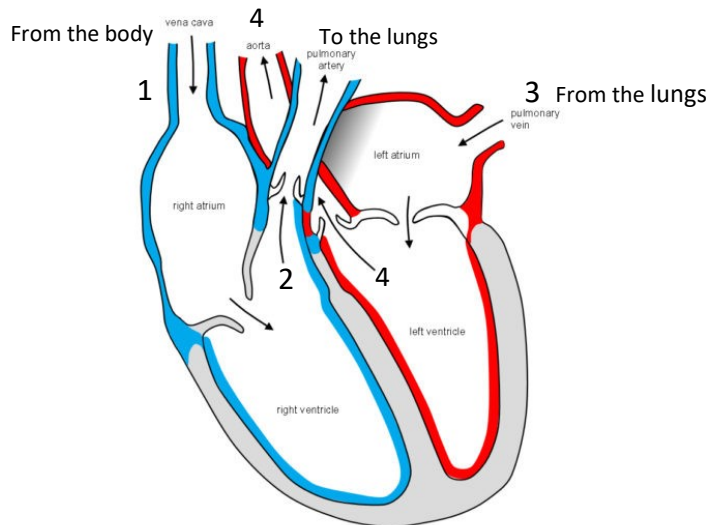


The Circulatory System



The heart



1. The right **atrium** collects the **deoxygenated** blood from the body, via the **vena cava**. It sends the blood to the right **ventricle**.
2. The right **ventricle pumps** the **deoxygenated** blood to the **lungs**. Here the blood picks up **oxygen** and disposes of **carbon dioxide**.
3. The **lungs** send **oxygenated** blood back to the left **atrium** which pumps it to the left **ventricle**.
4. The left **ventricle** pumps the **oxygenated blood** to the rest of the body, via the **aorta**.

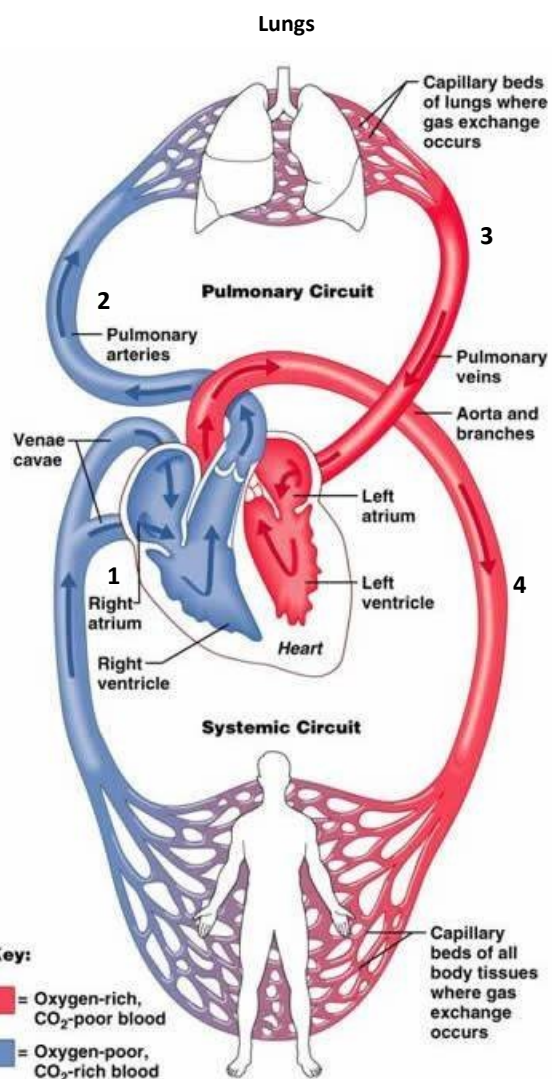
Vocabulary

aorta	The main artery through which blood leaves your heart before it flows through the rest of your body
arteries	Tubes in your body that carry oxygenated blood away from your heart to the rest of your body
atrium	One of the chambers in your heart
capillaries	Tiny blood vessels in your body
circulatory system	The system responsible for circulating blood through the body, that supplies nutrients and oxygen to the body and removes waste products such as carbon dioxide
deoxygenated blood	Blood that does not contain oxygen
heart	The organ that pumps the blood around your body
lungs	Two organs inside your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it.
organ	A part of your body that had a particular purpose
oxygen	A colourless gas that plants and animals need to survive
oxygenated blood	Blood that contains oxygen
pulse	Pulse is the regular beating of blood through your body when pumped by the heart. How fast or slow depends on activity level.
respiration	The process of breathing, inhaling and exhaling air
veins	Tubes in your body that carry deoxygenated blood to your heart from the rest of your body
ventricle	One of the chambers of the heart

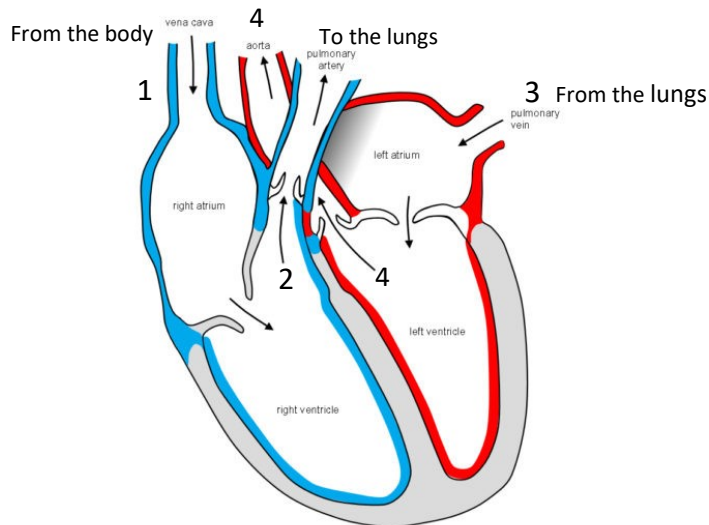
What will I know by the end of the unit?

- The **circulatory system** is made up of the **heart**, **lungs**, **blood** and **blood vessels**.
- **Arteries** carry **oxygenated** blood from the **heart** to the rest of the body.
- **Veins** carry **deoxygenated** blood from the body to the **heart**.
- **Nutrients**, **oxygen** and **carbon dioxide** are exchanged via the **capillaries**
- It is important to keep our heart healthy
- Some choices, such as smoking, drinking alcohol and taking drugs can be harmful.
- Our heart beats faster when we exercise to replenish oxygen.
- Exercise increases our fitness, makes us feel physically and mentally healthier, strengthens the heart and improves lung function.

The Circulatory System



The heart



1. The right ventricle collects the **deoxygenated** blood from the body. It sends the blood to the right ventricle.
2. The right **ventricle pumps** the **deoxygenated** blood to the lungs. Here the blood picks up **oxygen** and disposes of **carbon dioxide**.
3. The **lungs** send oxygenated blood back to the left **atrium** which pumps it to the left ventricle.
4. The left **ventricle** pumps the **oxygenated blood** to the rest of the body, via the aorta.

Vocabulary

	The main artery through which blood leaves your heart before it flows through the rest of your body
arteries	Tubes in your body that carry oxygenated blood <u>from</u> your heart to the rest of your body
atrium	One of the chambers in your heart
capillaries	Tiny blood vessels in your body
circulatory system	
	Blood that does not contain oxygen
heart	The organ that pumps the blood around your body
	Two organs inside your chest which fill with air when you breathe in. They oxygenate the blood and remove carbon dioxide from it.
organ	A part of your body that had a particular purpose
	A colourless gas that plants and animals need to survive
oxygenated blood	Blood that contains oxygen
pulse	
	The process of breathing, inhaling and exhaling air
veins	Tubes in your body that carry <u>deoxygenated</u> blood to your heart from the rest of your body
ventricle	One of the chambers of the heart

What will I know by the end of the unit?

- The **circulatory system** is made up of the heart, arteries, veins and **blood vessels**.
- Arteries** carry oxygenated blood from the **heart** to the rest of the body.
- Veins carry **deoxygenated** blood from the body to the **heart**.
- Nutrients**, oxygen and **carbon dioxide** are exchanged via the **capillaries**.
- It is important to keep our heart healthy.
- Some choices, such as drinking alcohol, drinking alcohol and taking drugs can be harmful.
- Our heart beats faster when we exercise to replenish oxygen.
- Exercise increases our fitness, makes us feel physically and mentally healthier, strengthens the heart and improves lung function.