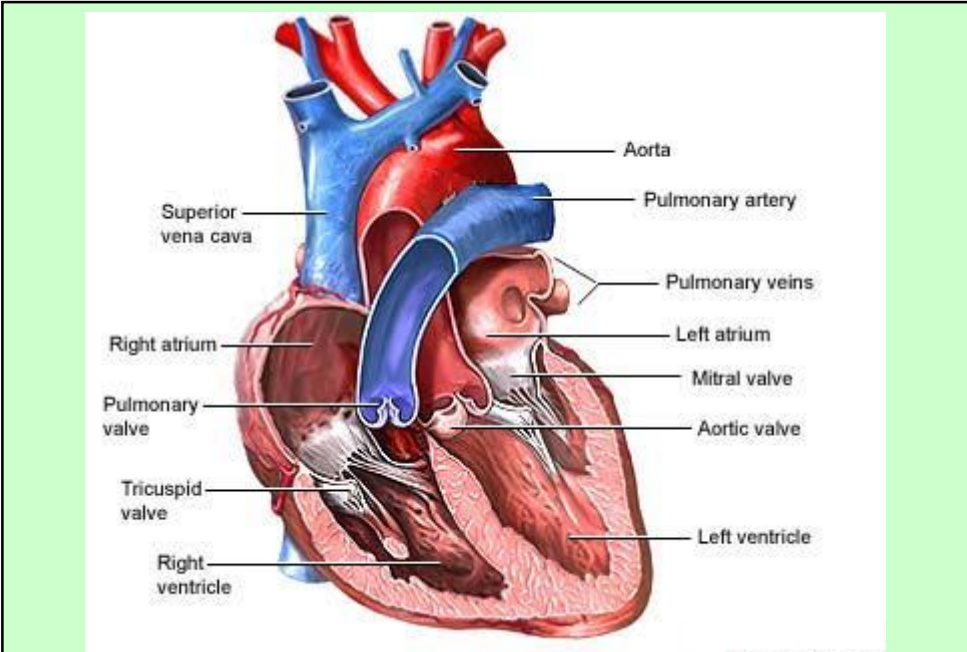


# Year 6 - Animals including humans (The circulatory system)

Key Vocabulary	
heart	Organ made of a special muscle that pumps blood around the body. Protected by the rib cage
pulse	The regular beating of an artery caused by blood being pumped from the heart.
blood	A liquid carried by blood vessels around the body that has many functions including to transport gases and nutrients.
blood vessels	A tube through which blood is transported around the body.
lungs	Organs that control the gases entering and leaving the body when we breathe.
oxygen	A gas that we breathe in through the lungs. Carried by blood all around the body where it is needed to produce energy (especially in the muscles).
carbon dioxide	A waste gas produced when the body generates energy. Carried by blood to the lungs where it is breathed out
nutrients	Chemicals obtained from food that are beneficial to the body. Each nutrient has a particular function or set of functions to keep the body healthy
circulatory system	The system that transports blood through the body. Consists of the heart and the blood vessels.

Your heart beats around 100,000 times each day.

## Important Information



1. Blood is pumped from the heart to the lungs to collect oxygen.
2. Blood is transported back to the heart.
3. Blood is pumped around the body in arteries (type of blood vessel), carrying oxygen and dissolved nutrients.
5. After depositing oxygen around the body (particularly at the muscles), blood returns to the heart in veins (type of blood vessel).
6. Blood is pumped to the lungs once again to collect oxygen and to breathe out carbon dioxide and the cycle continues.