

Circulatory systems

Define the circulatory system.

Circulatory systems **Supplement**

Describe the single circulation of a fish.

Circulatory systems **Supplement**

Describe the double circulation of a mammal.

Circulatory systems **Supplement**

Advantages of a double circulation?

Heart to gills to body and back to the heart.
Blood passes through the heart once per circuit.

A system of blood vessels with a pump and valves to ensure one-way flow of blood.

Blood is pumped again after the lungs, so reaches the body at high pressure while lung pressure stays lower.

Right side of heart to lungs and back to left side; left side to body and back to right side.
Two circuits.