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② Why is it necessary to separate oxygenated and deoxygenated blood in mammals and birds?

→ In birds and mammals have a double circulation system where both the oxygenated and deoxygenated blood maintains separate.

They must separate oxygenated and deoxygenated blood so that their circulatory system is more efficient and can maintain their constant body temperature.

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Exercise

Q11 Describe double circulation in human beings. why is it necessary?

→ Mammals have a double circulatory system. This means that during a single cycle, the blood goes twice in the heart.

There are two loops in which blood is circulated. one loop is oxygenated and the other is de-oxygenated blood to the muscle and not a mixture of oxygenated and de-oxygenated blood. Hence, this system ensures efficient supply of oxygenated blood to the muscles.