

Respiration

Diffusion of Respiratory Gases

The following table shows the respective quantities of oxygen and carbon dioxide in blood entering and leaving a muscle at rest.

Gas	Blood entering the muscle	Blood leaving the muscle
Oxygen	20 mL	15mL
Carbon dioxide	49 mL	53mL

- 1- Compare the quantity of oxygen and that of carbon dioxide in the blood entering and leaving the muscle.

- 2- Indicate the direction of diffusion of respiratory gases at the level of the muscle.

- 3- Identify the color of blood entering the muscle and that of a blood leaving it.

- 4- Indicate in what form oxygen and carbon dioxide are transported by blood.