

# Pulmonary ventilation - perfusion ratio

The ratio of pulmonary ventilation and perfusion is a quantity that expresses the ratio of alveolar ventilation [ $V_A$ ] = l/min and capillary flow in the lungs [ $Q$ ] = l/min. This ratio can be applied to the lungs as a whole, or to specific parts of the lungs. If we consider total alveolar ventilation and total pulmonary flow, we get values approximately  $V_A/Q = 5 \text{ l/min}$