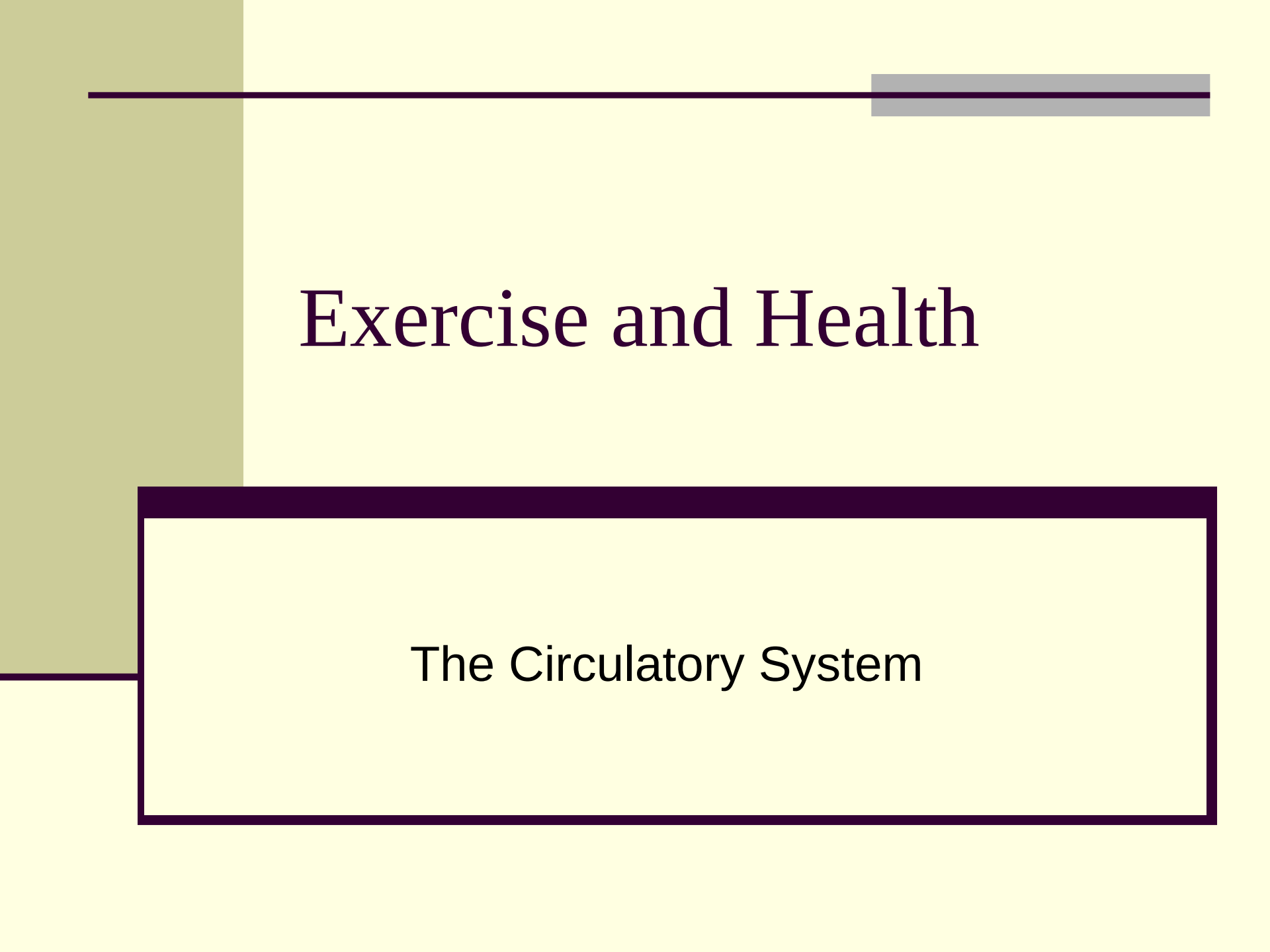
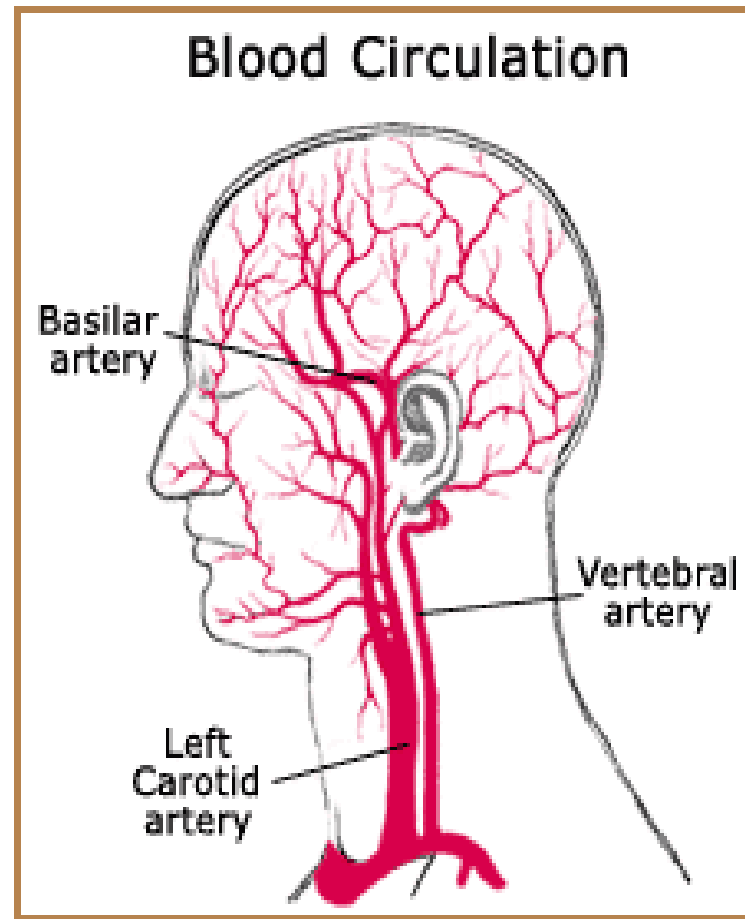




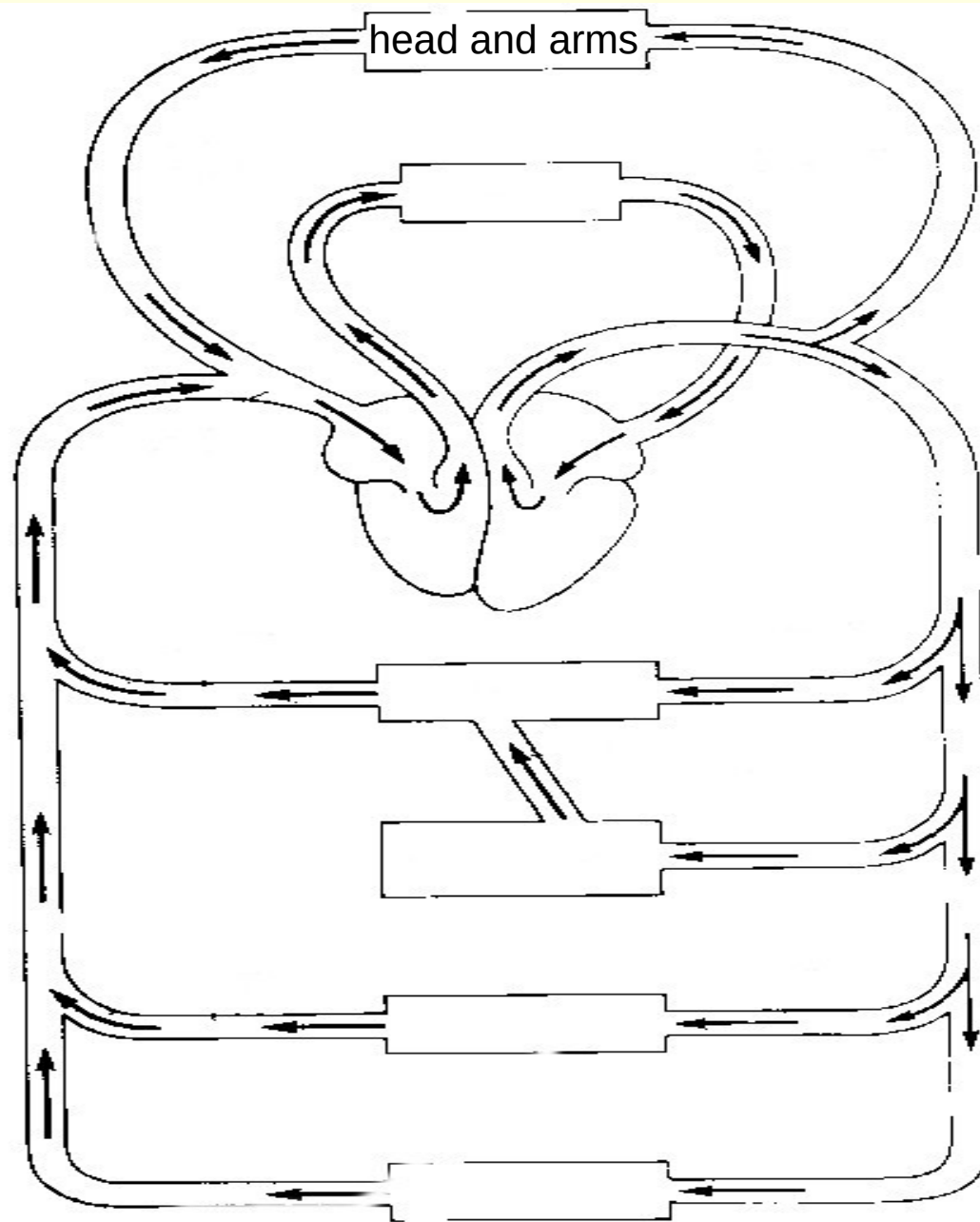
Exercise and Health

The Circulatory System

The Circulatory System

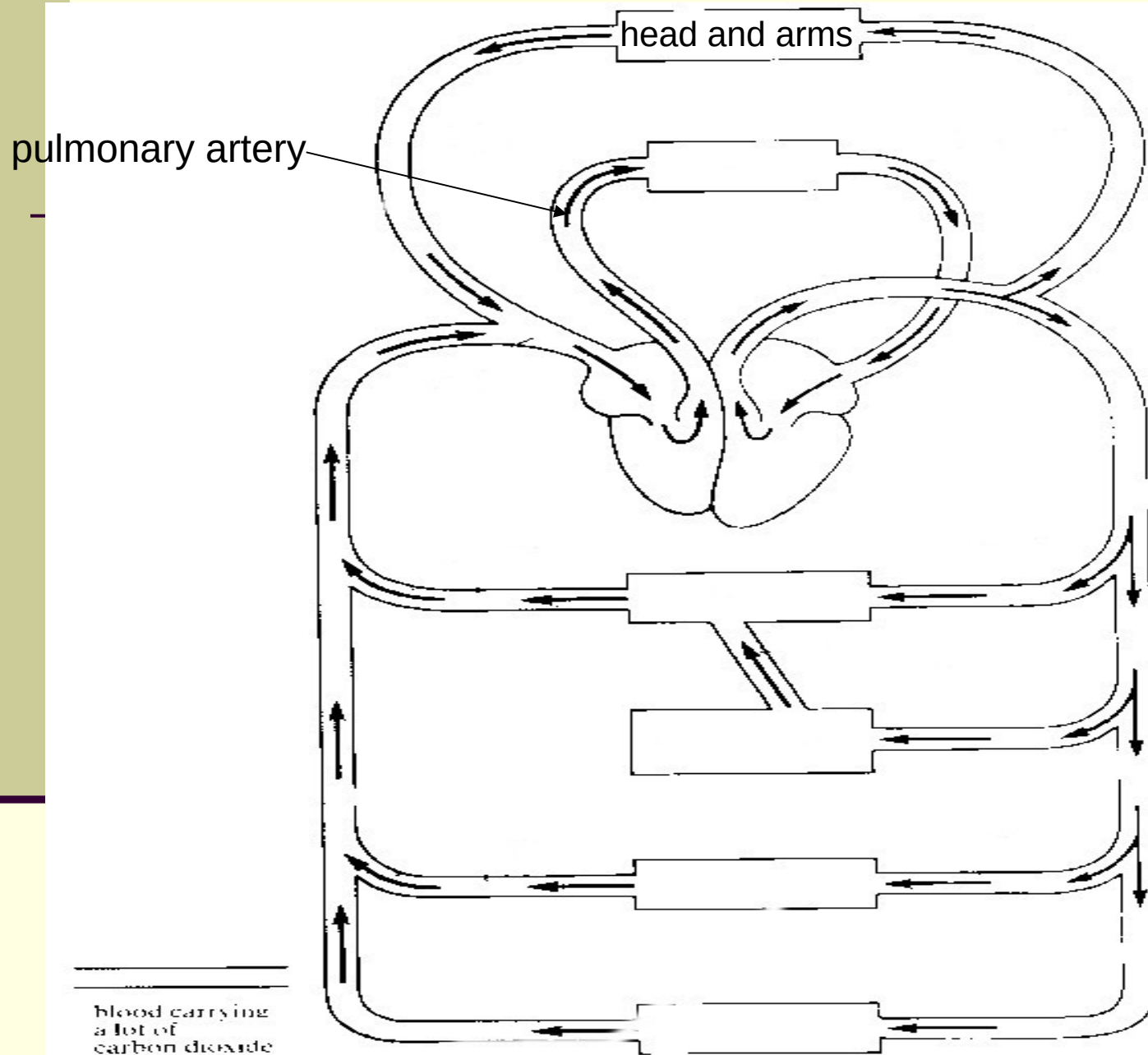


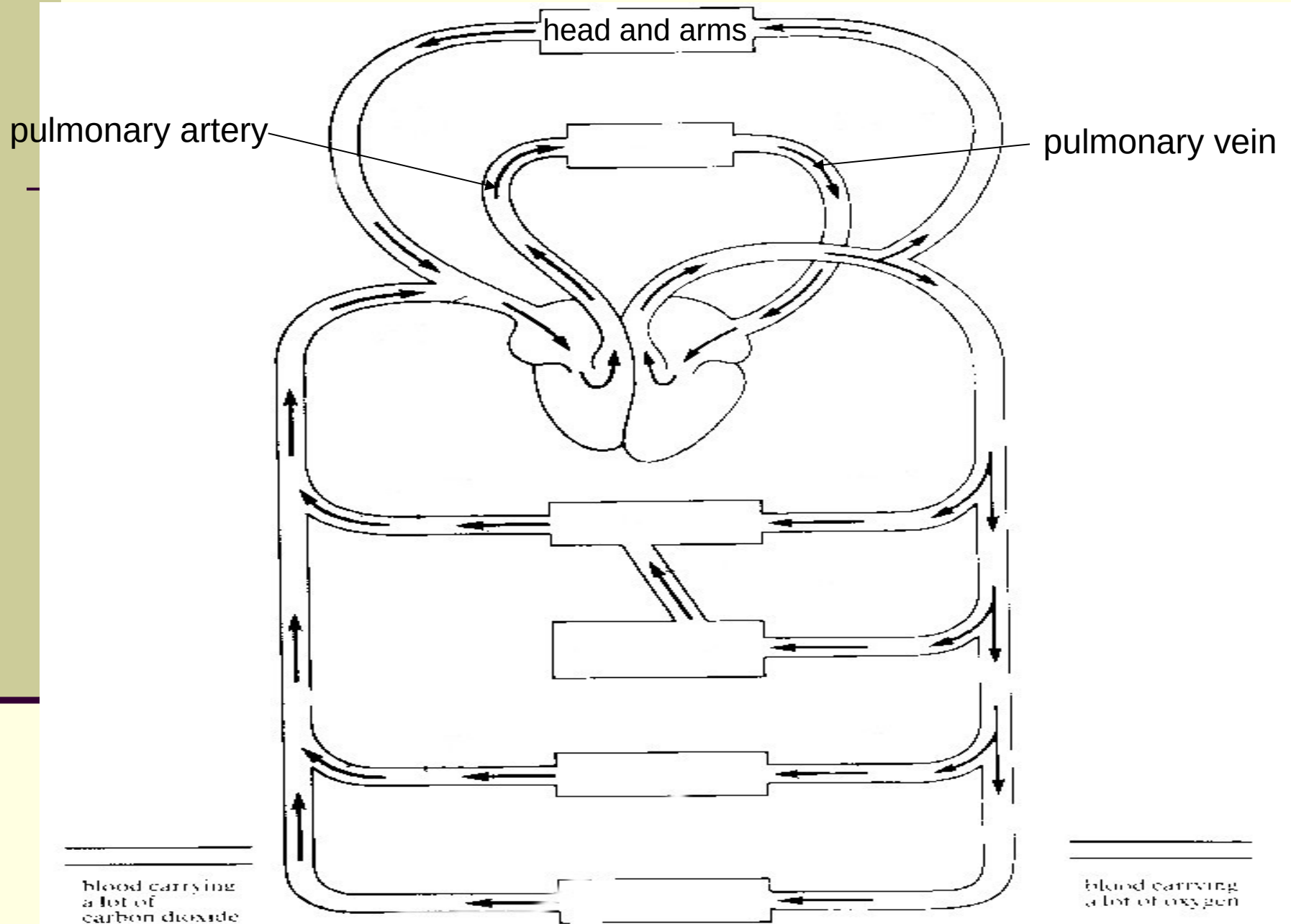
- Blood **circulates** to every cell in the body.
- The following diagram shows the main blood vessels and explains how blood circulates to all parts of the body.

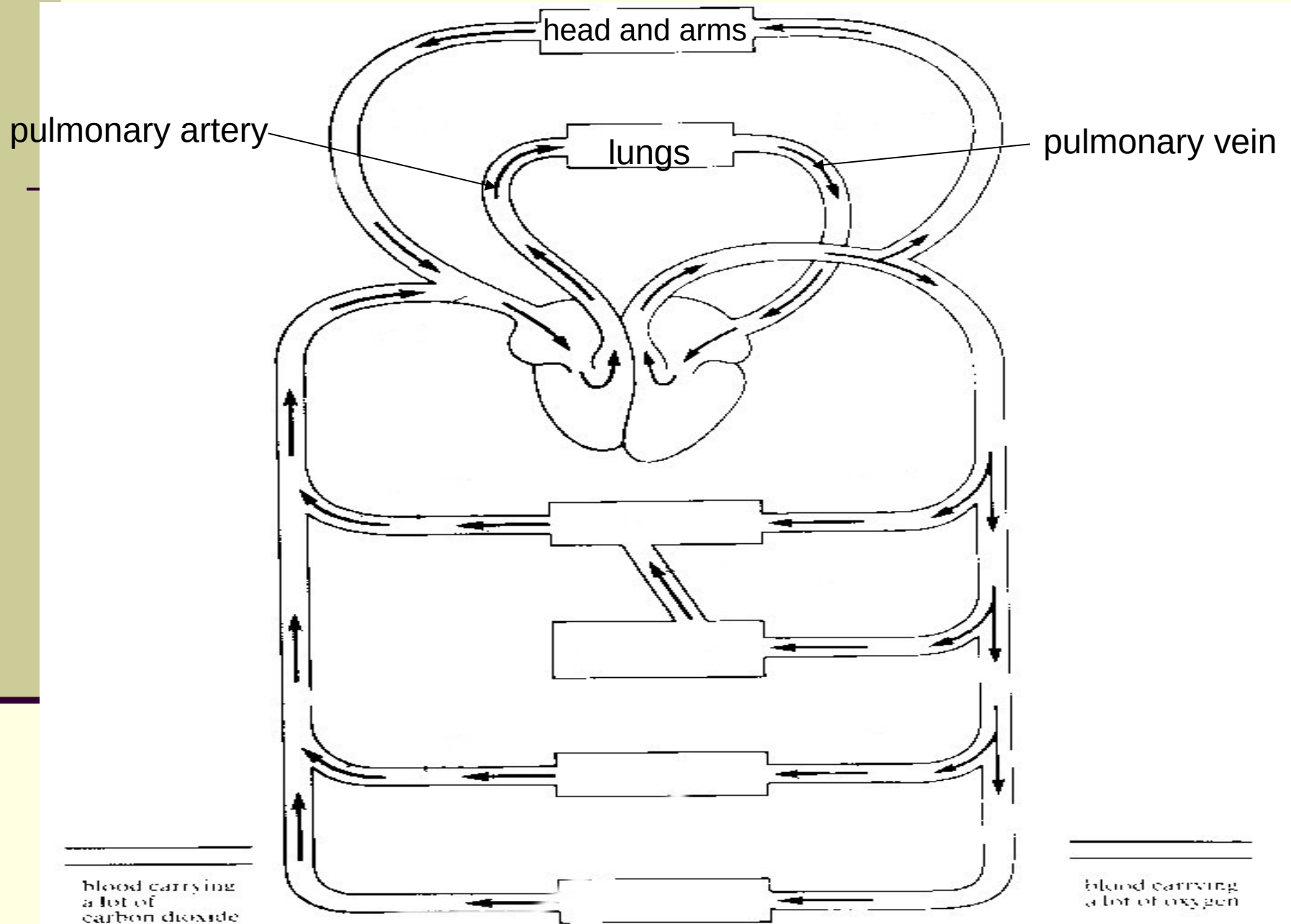


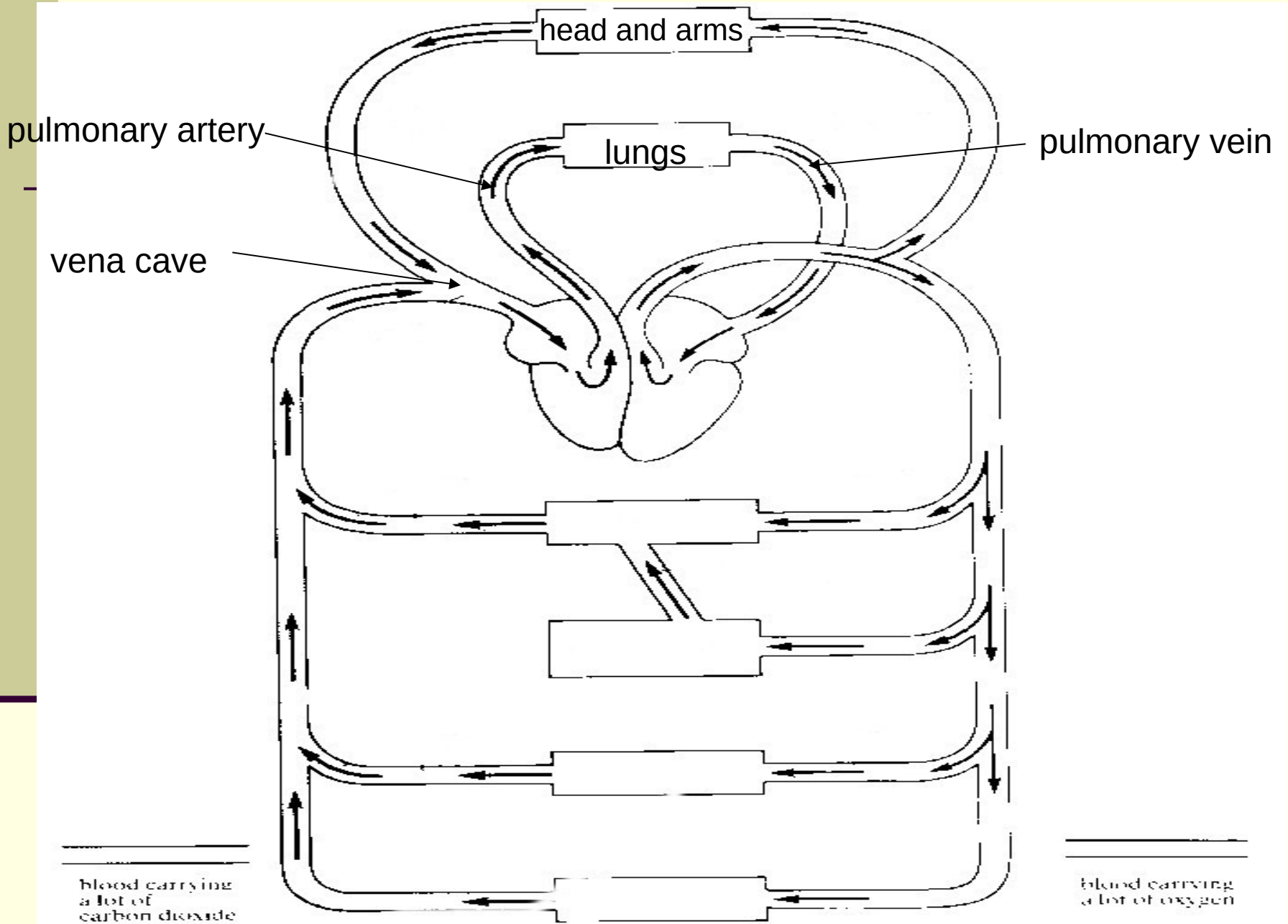
blood carrying
a lot of
carbon dioxide

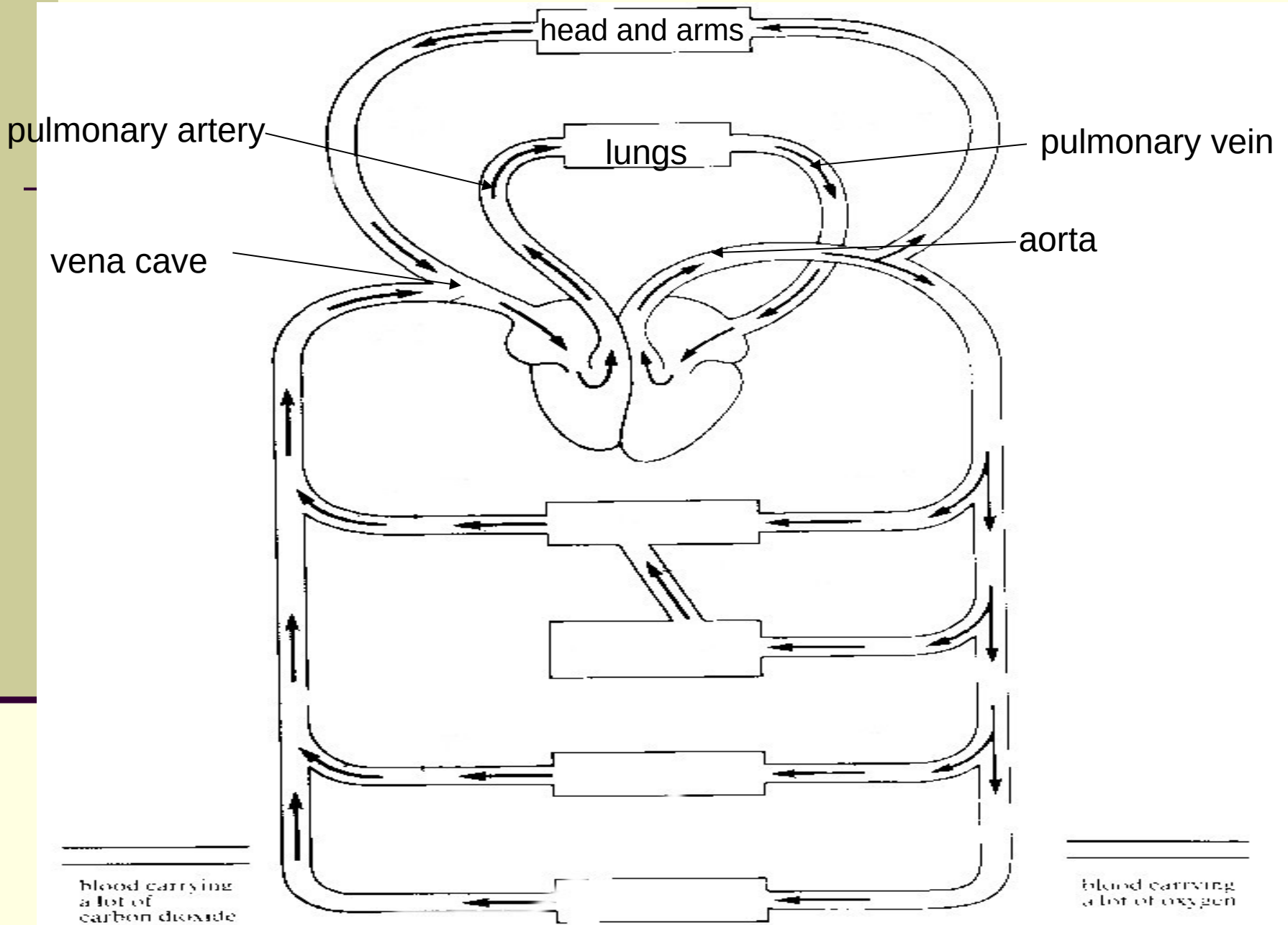
blood carrying
a lot of oxygen

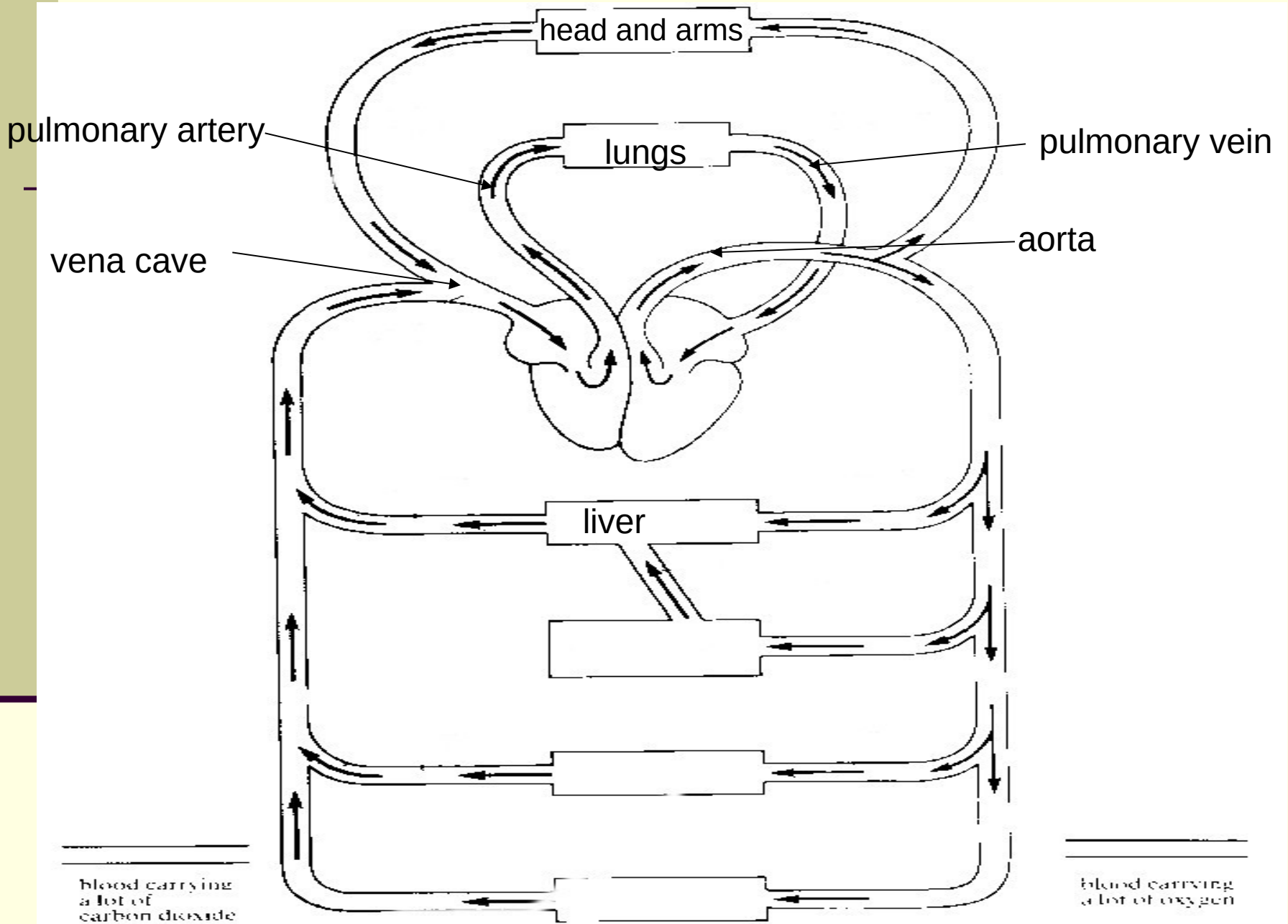


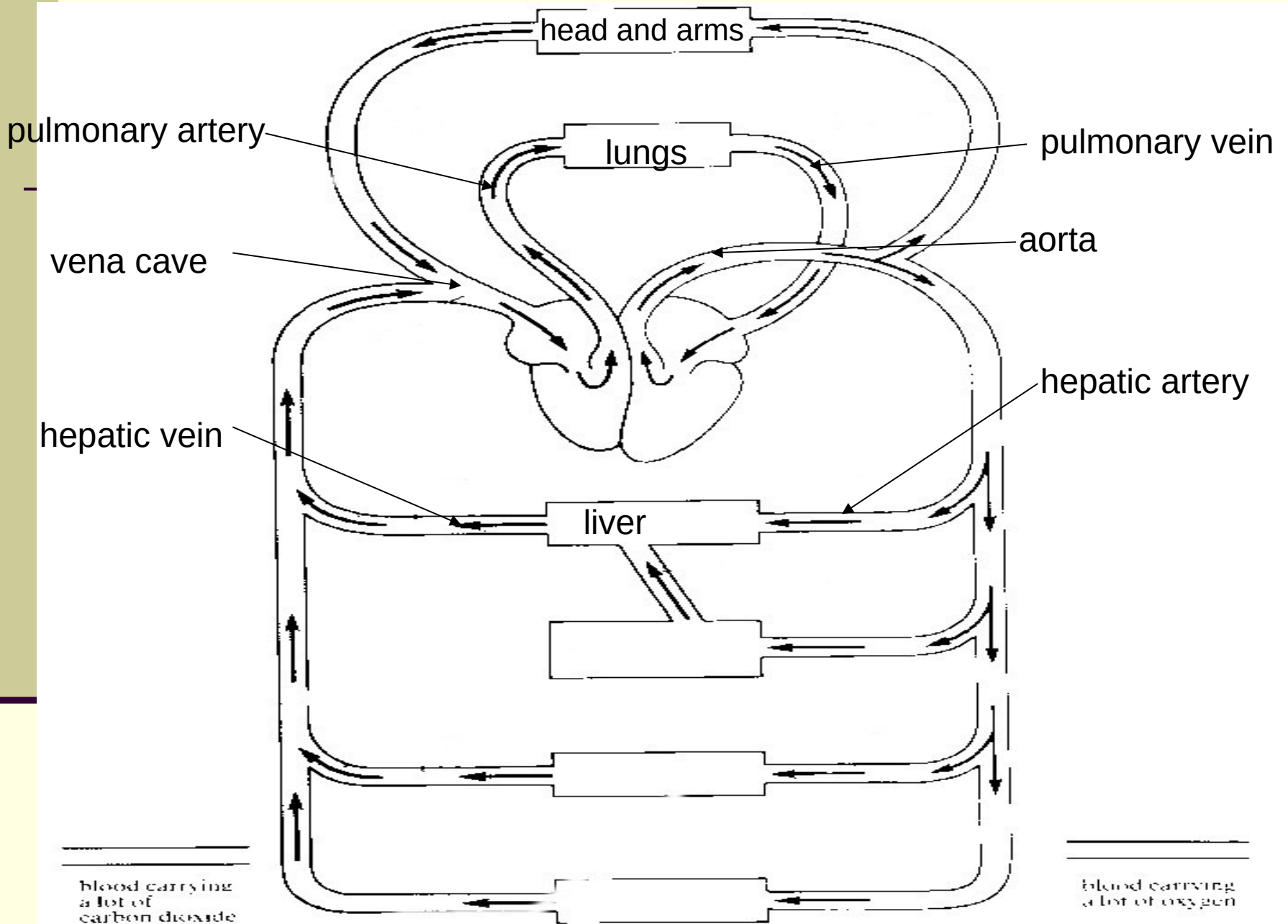


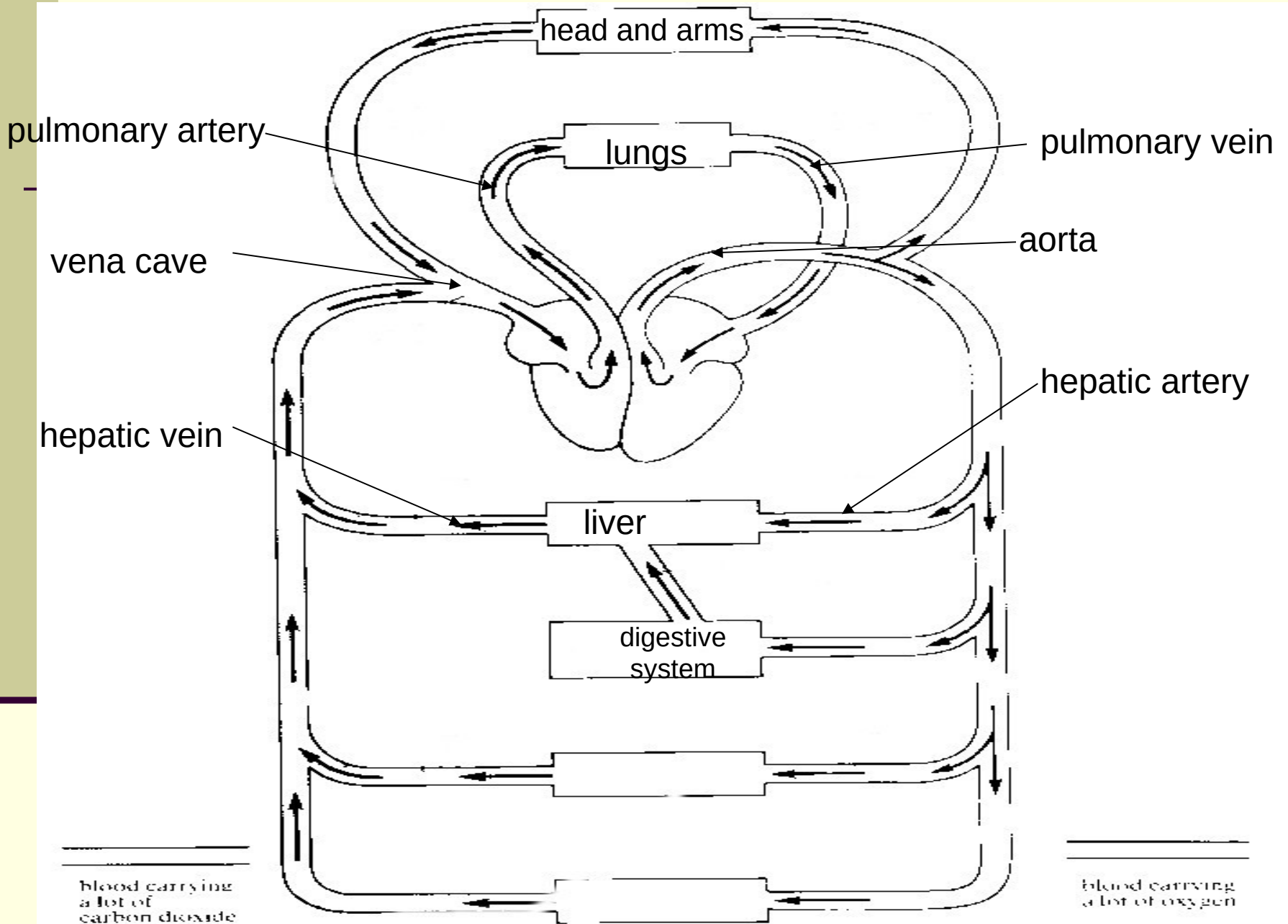


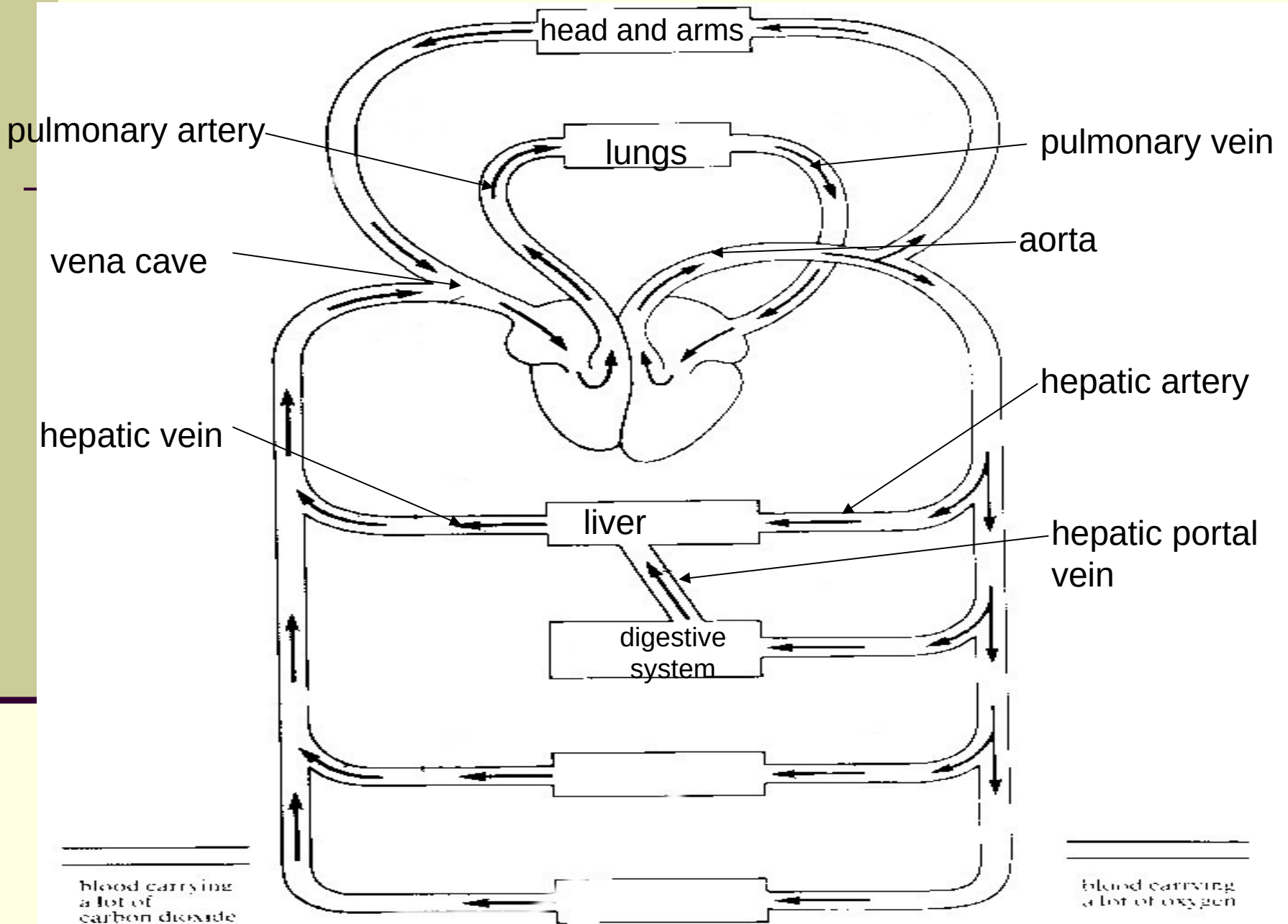


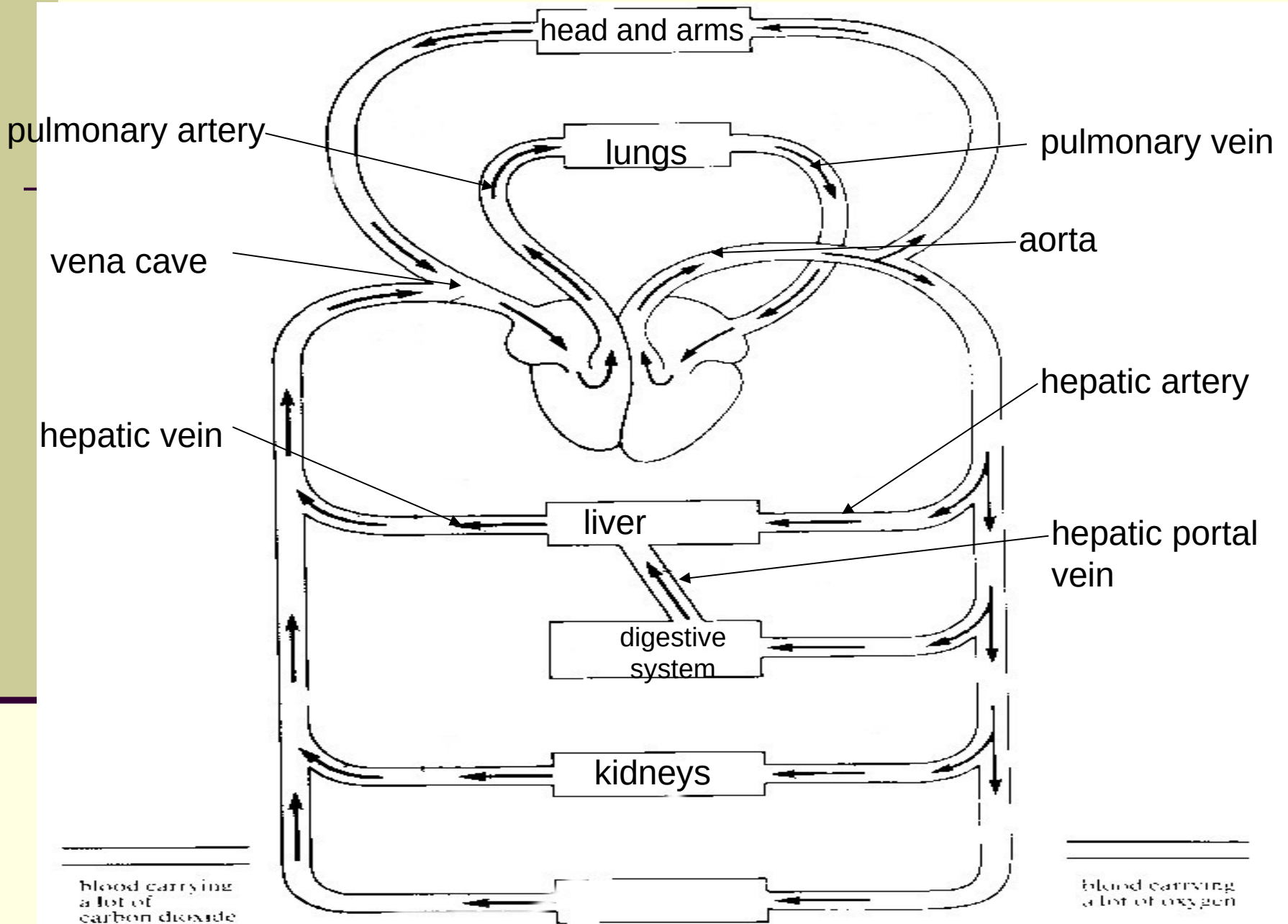


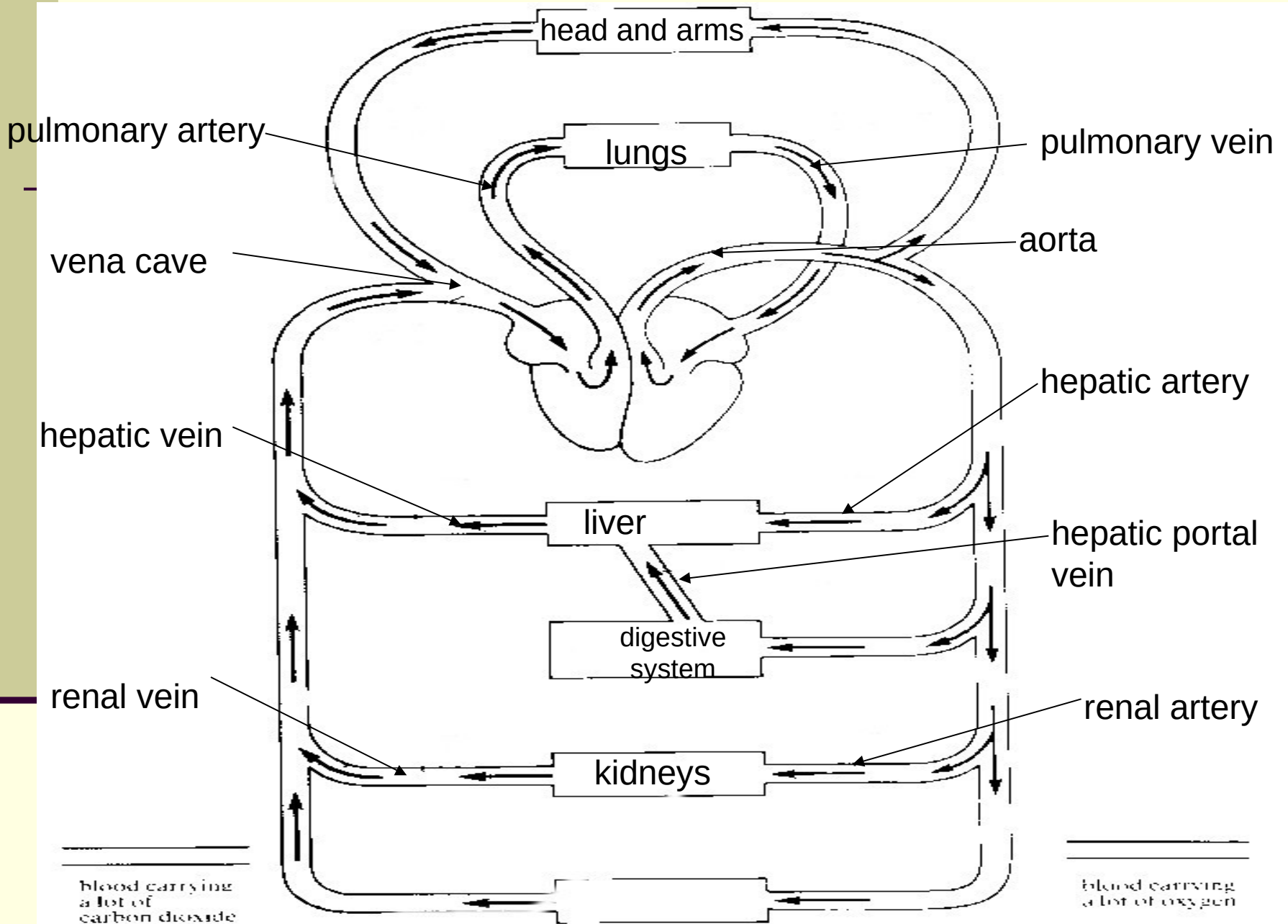


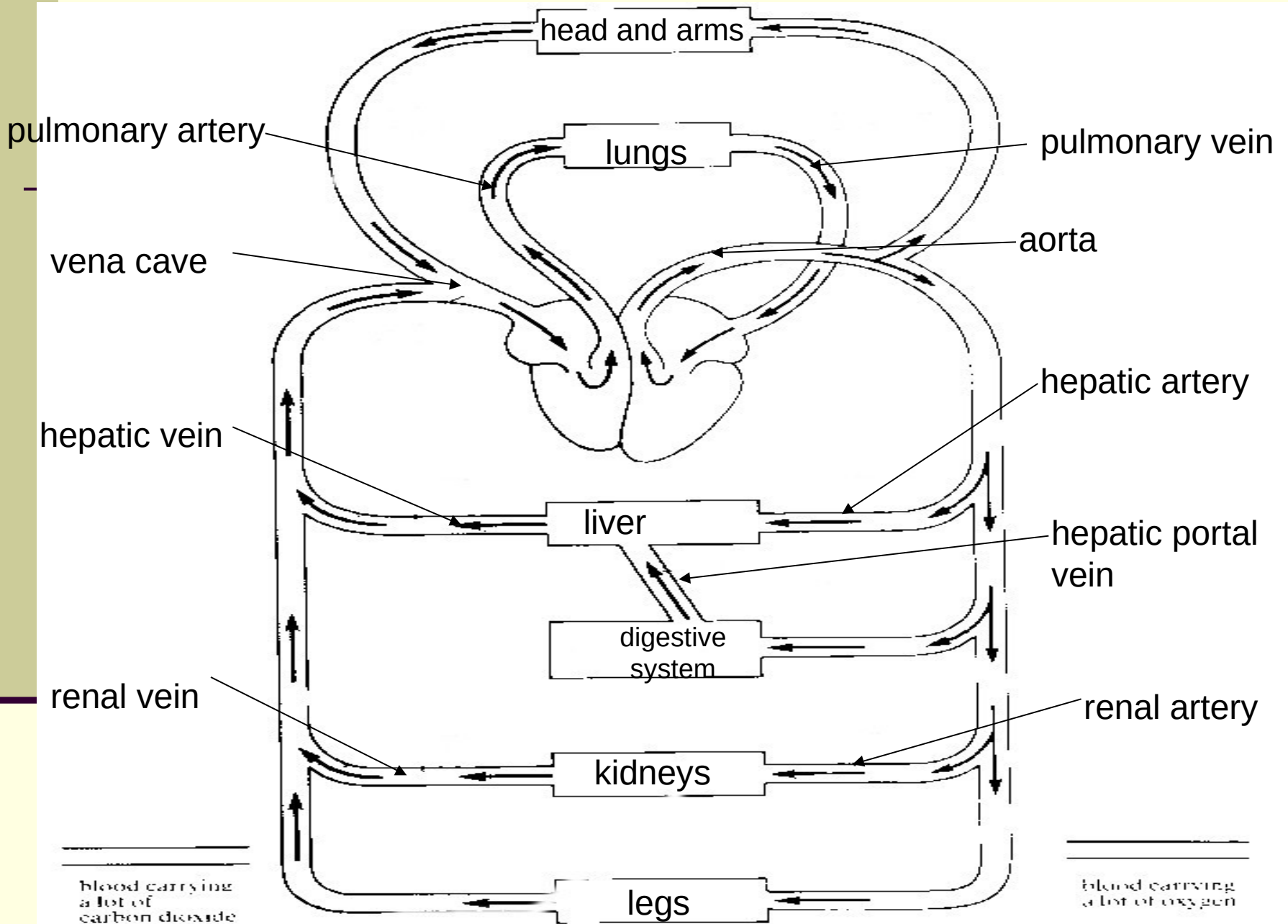




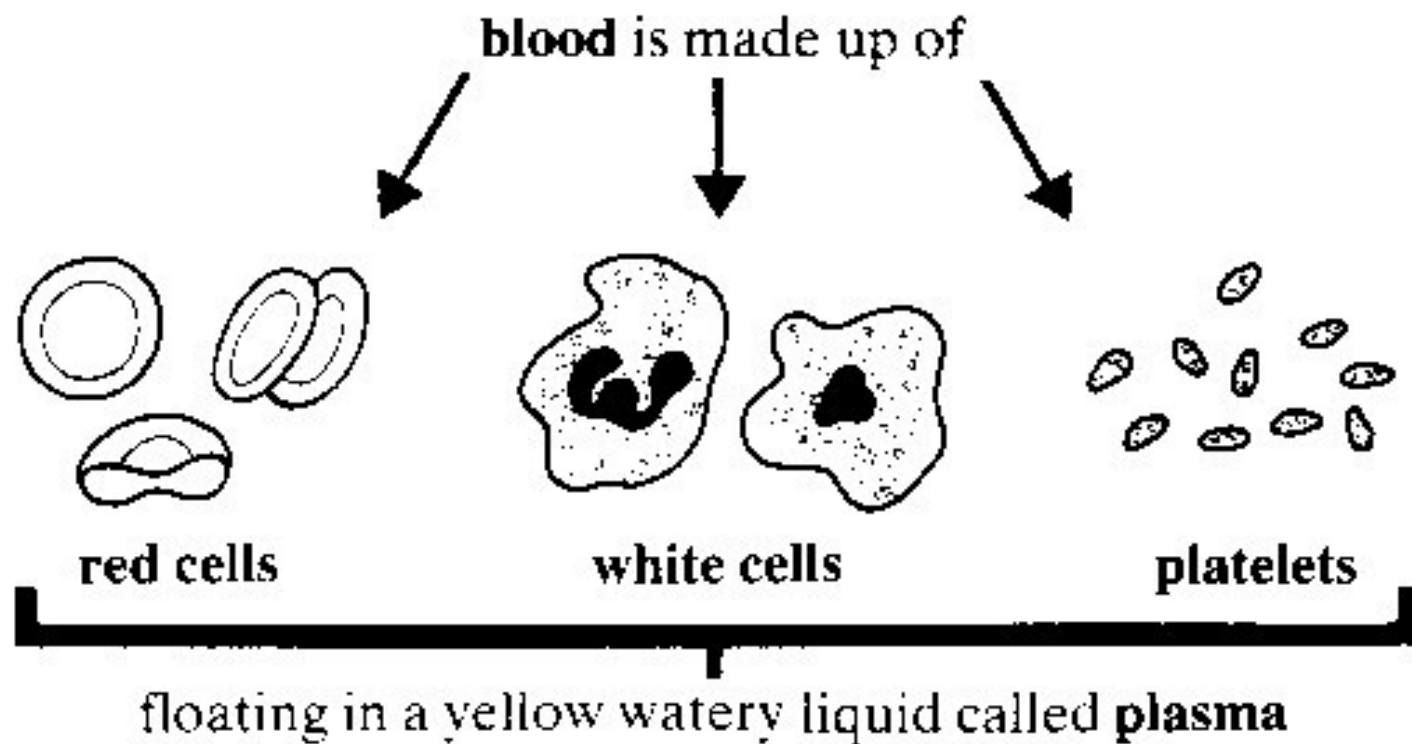








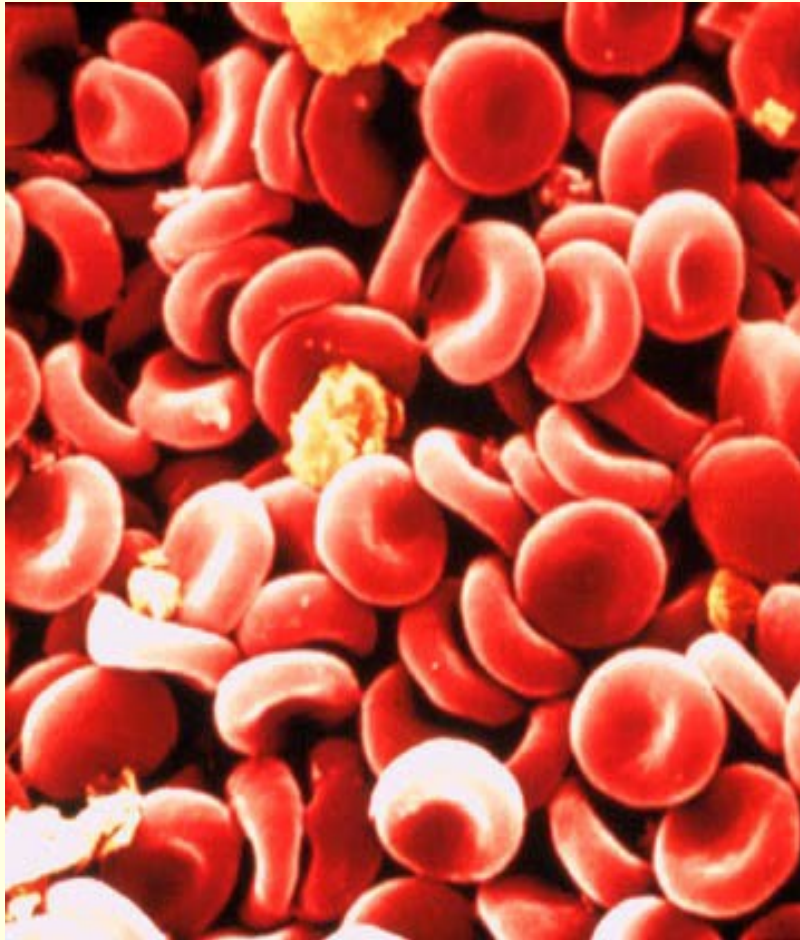
Blood



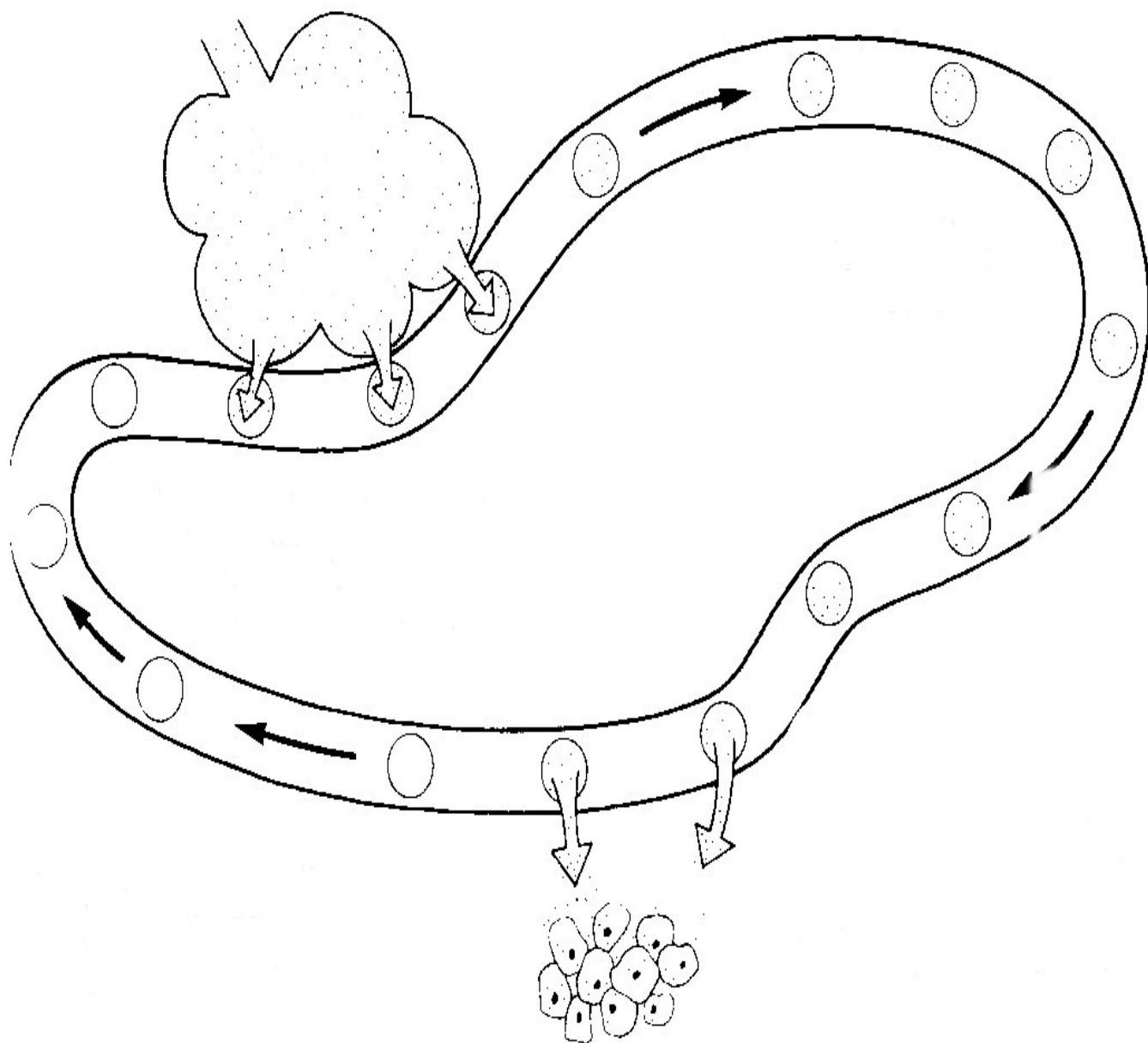
Red cells

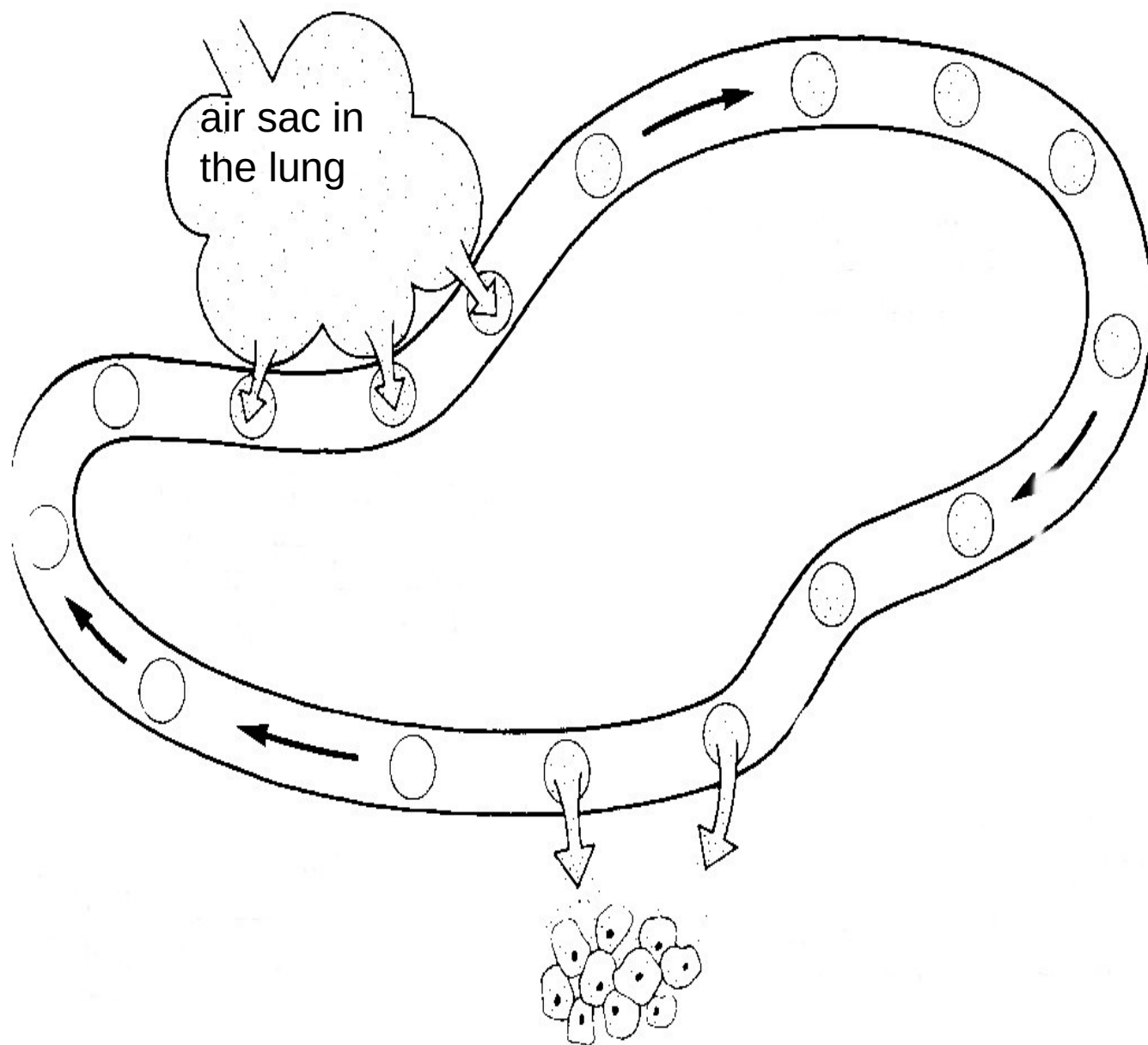


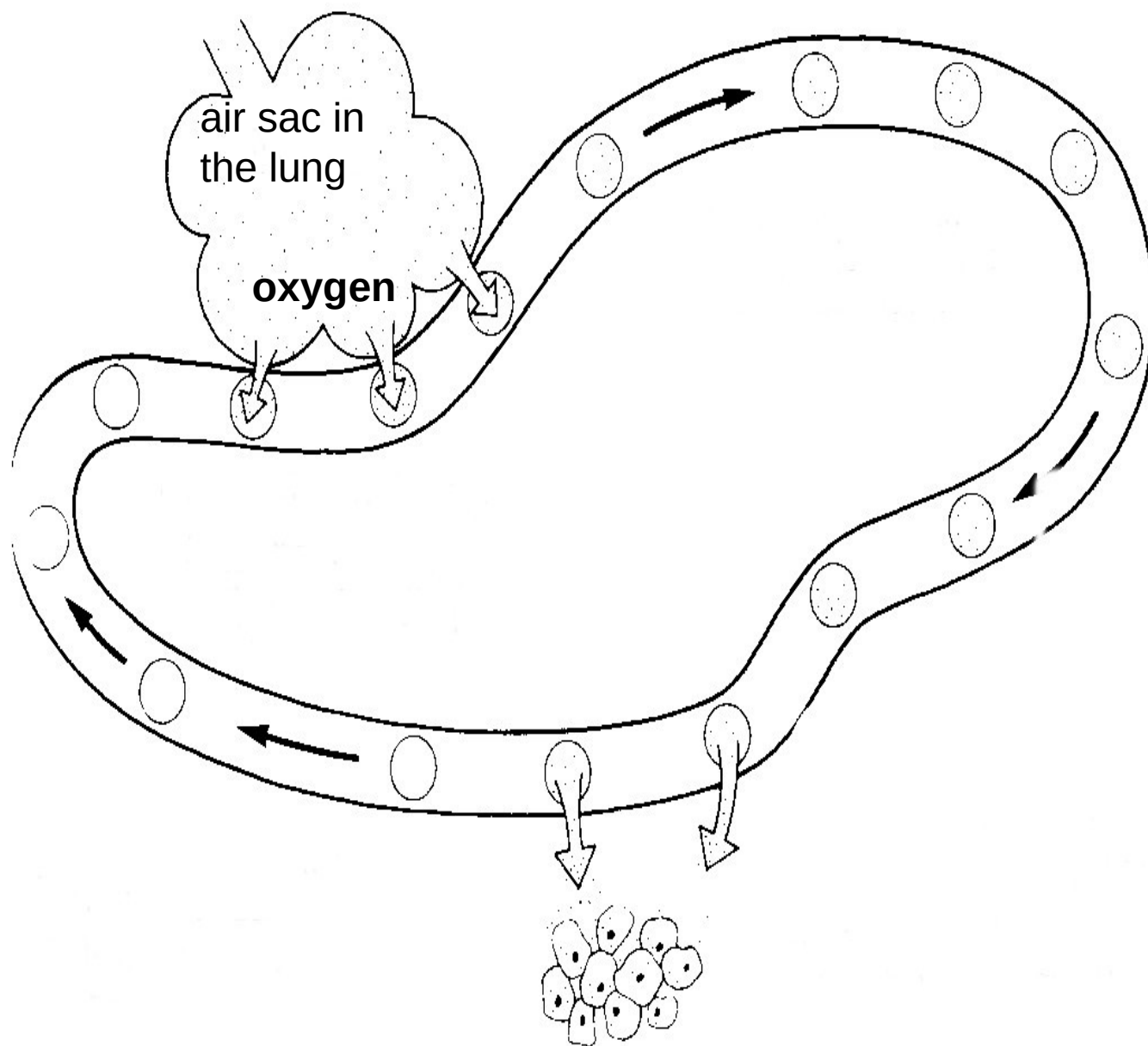
Red cells

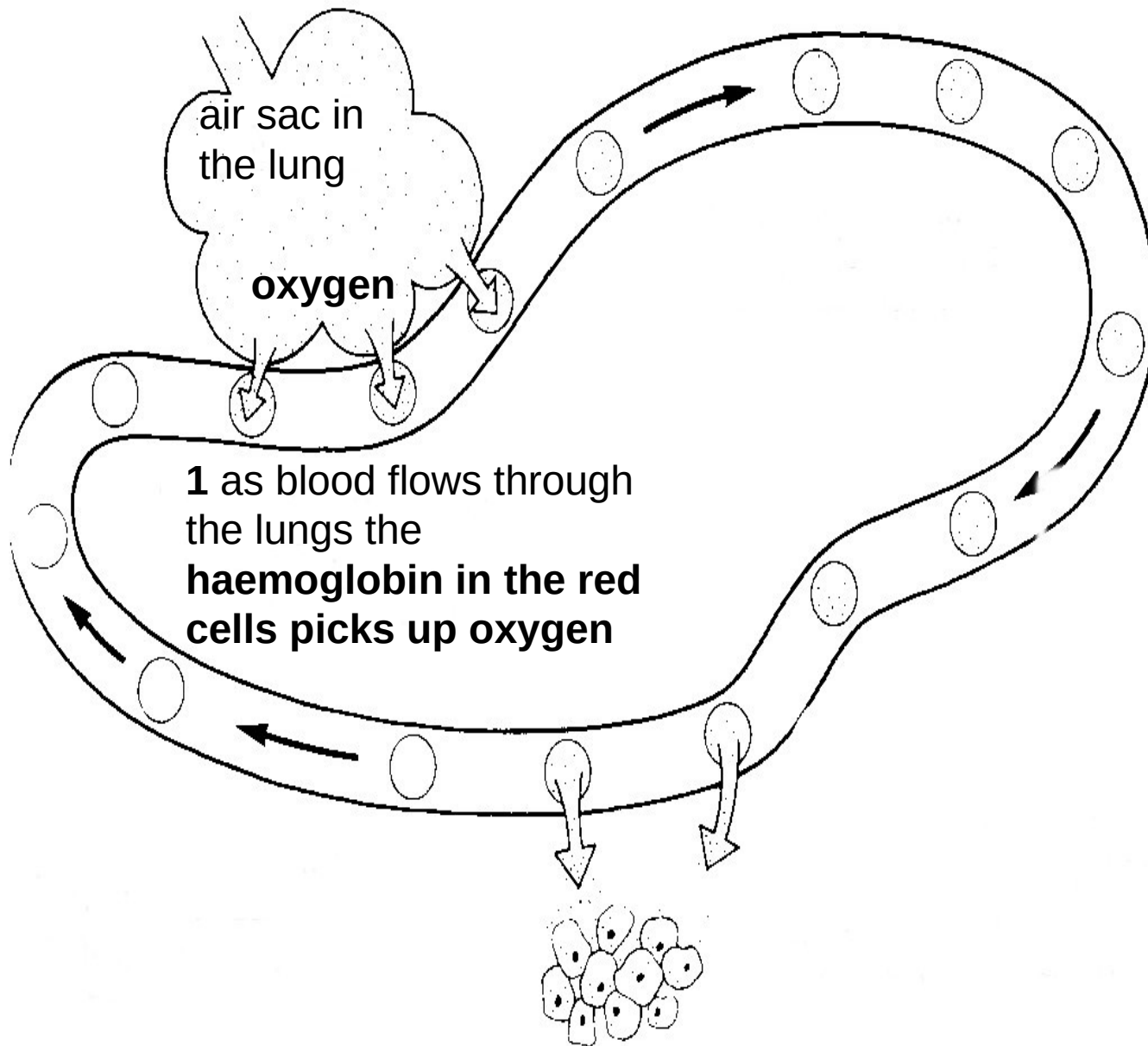


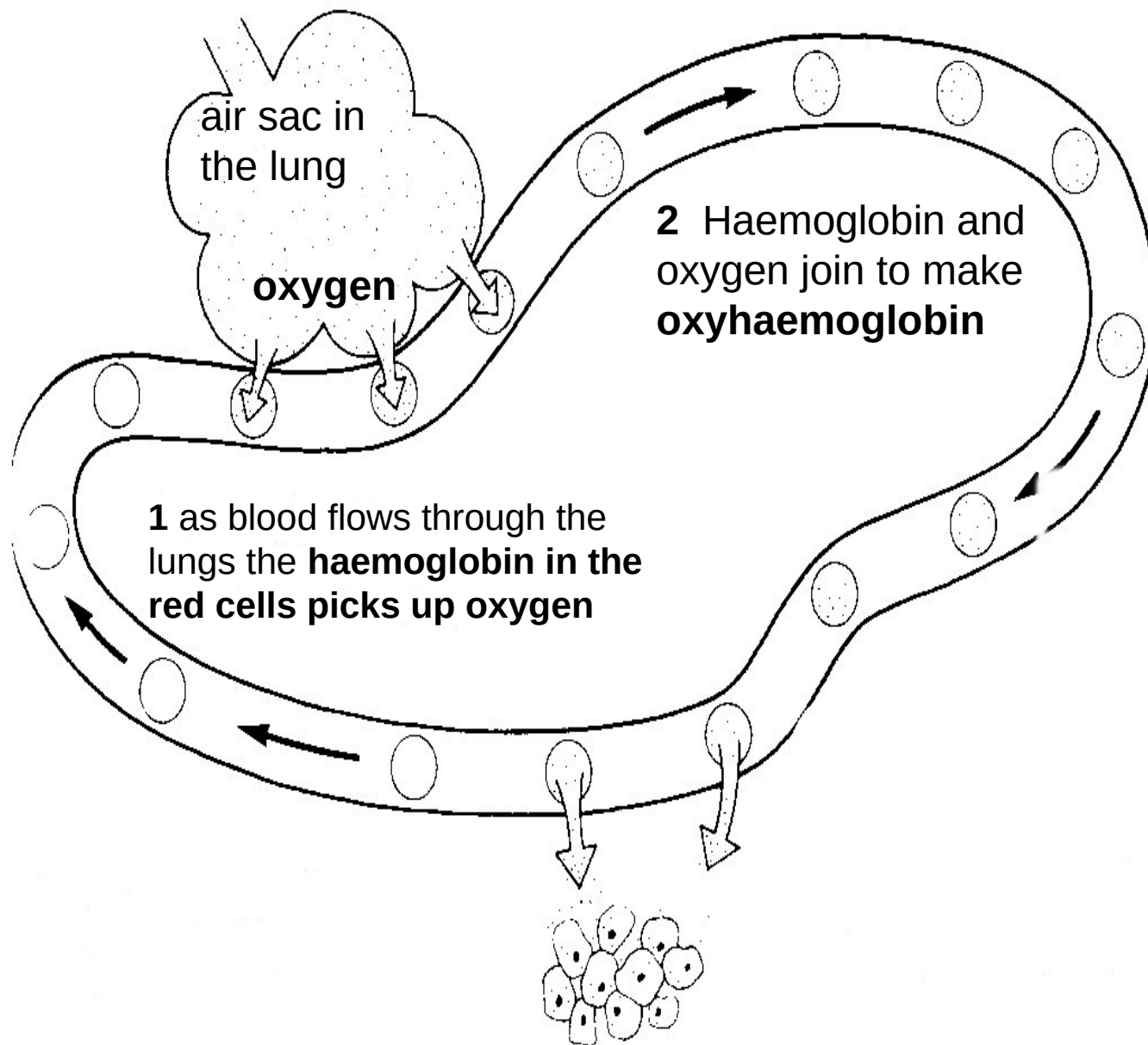
- Do not have a nucleus
- Biconcave discs
- Contain the chemical **haemoglobin**.
- Haemoglobin carries oxygen around the body.
- At the centre of the haemoglobin molecule is an iron atom.

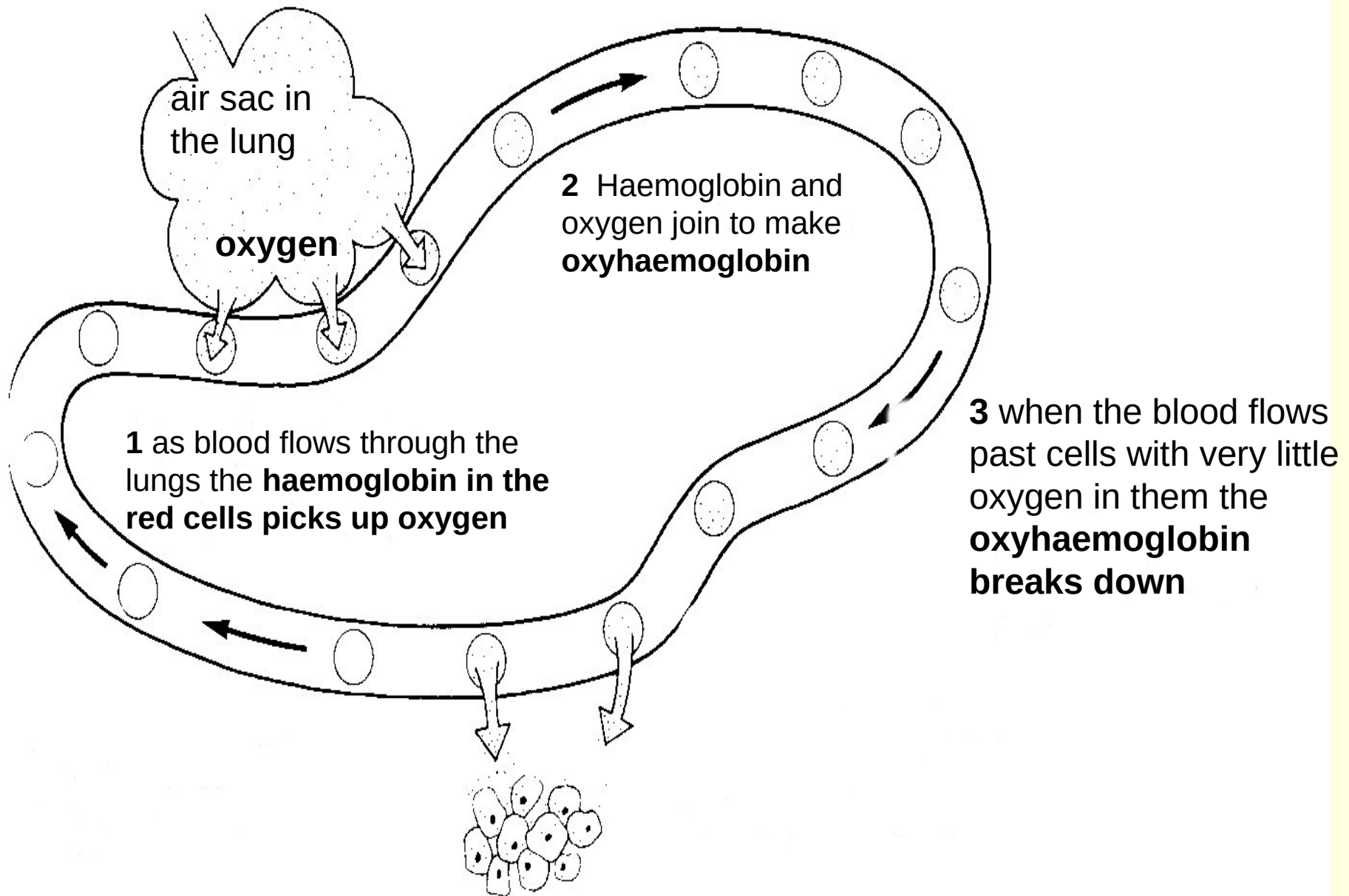


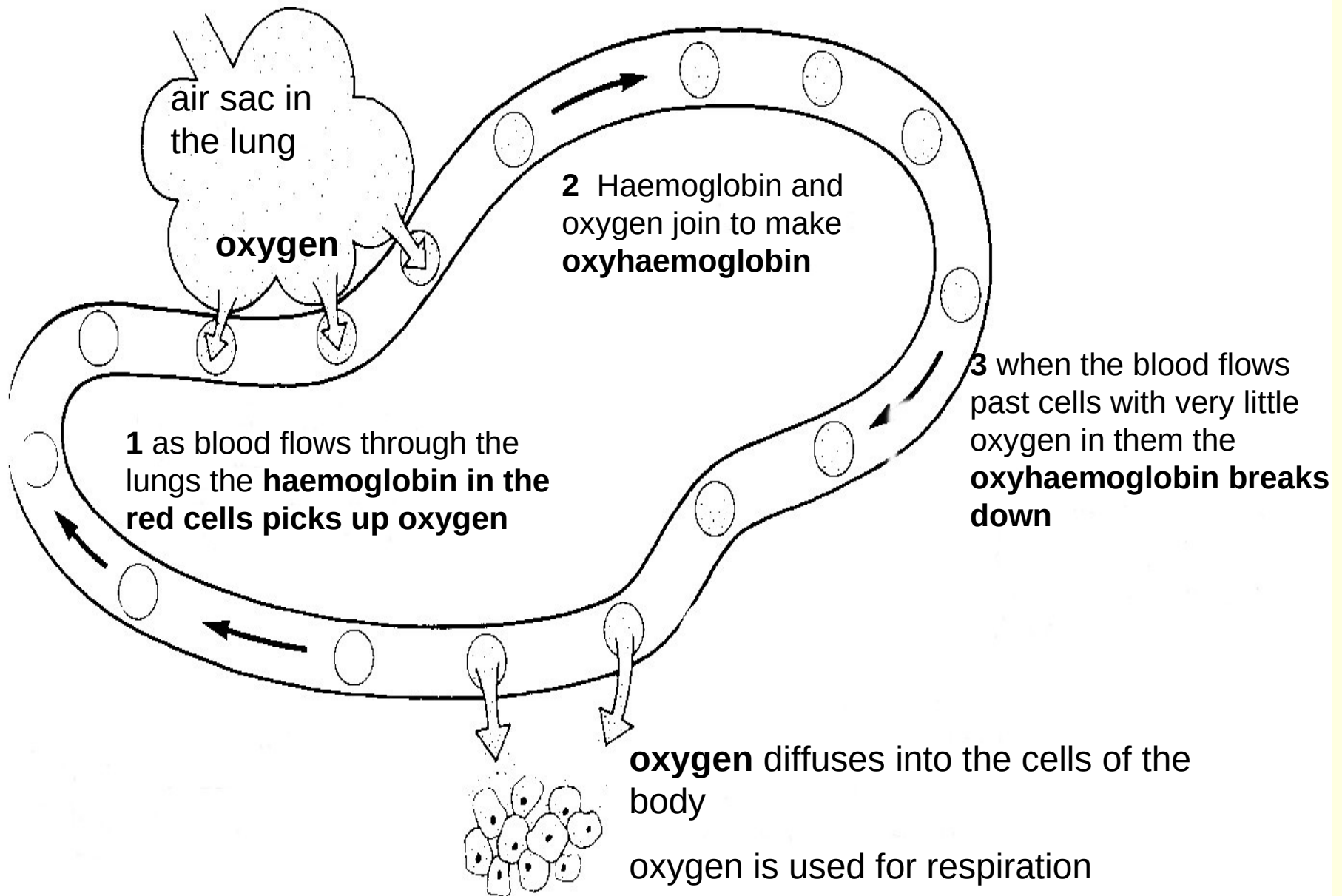


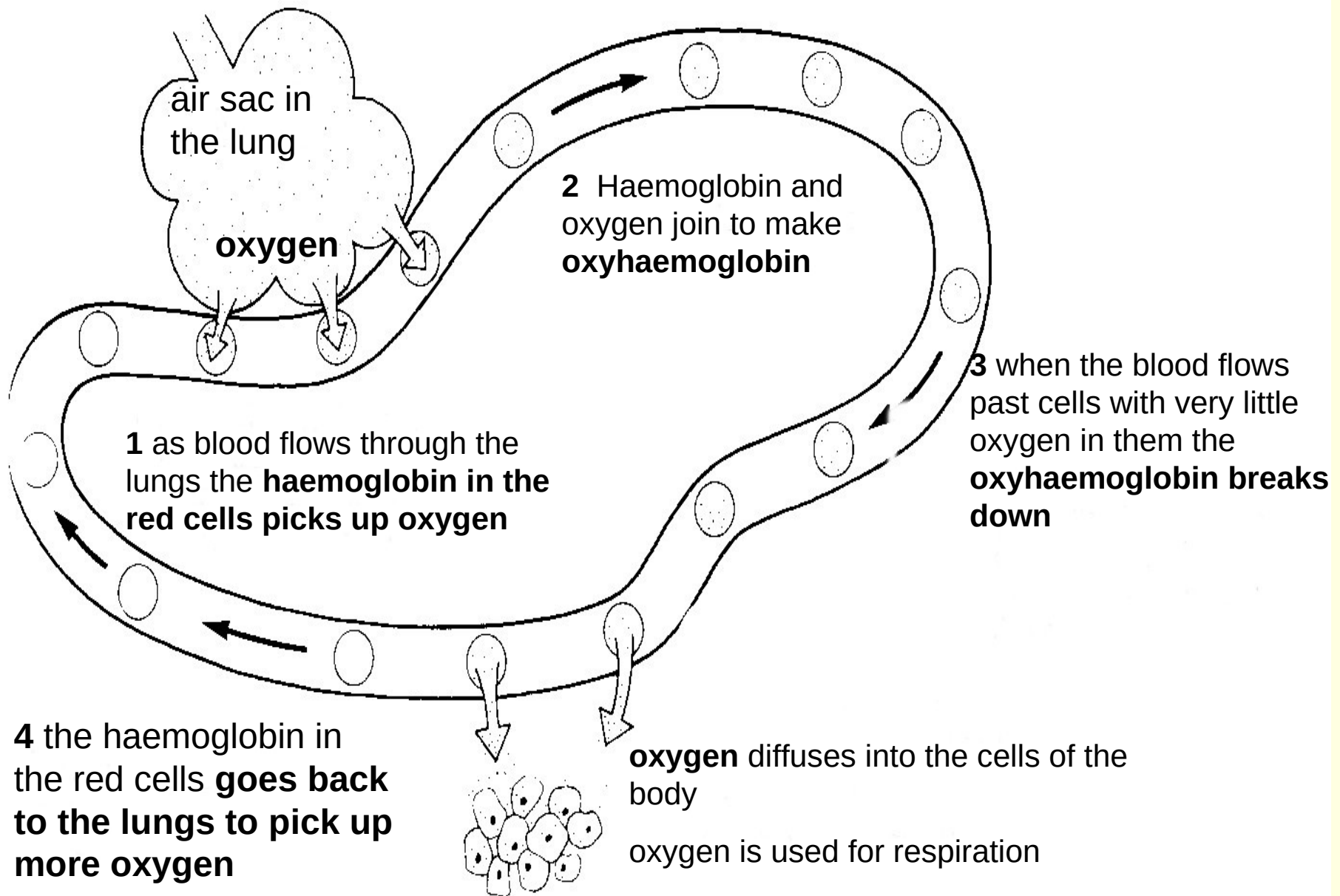




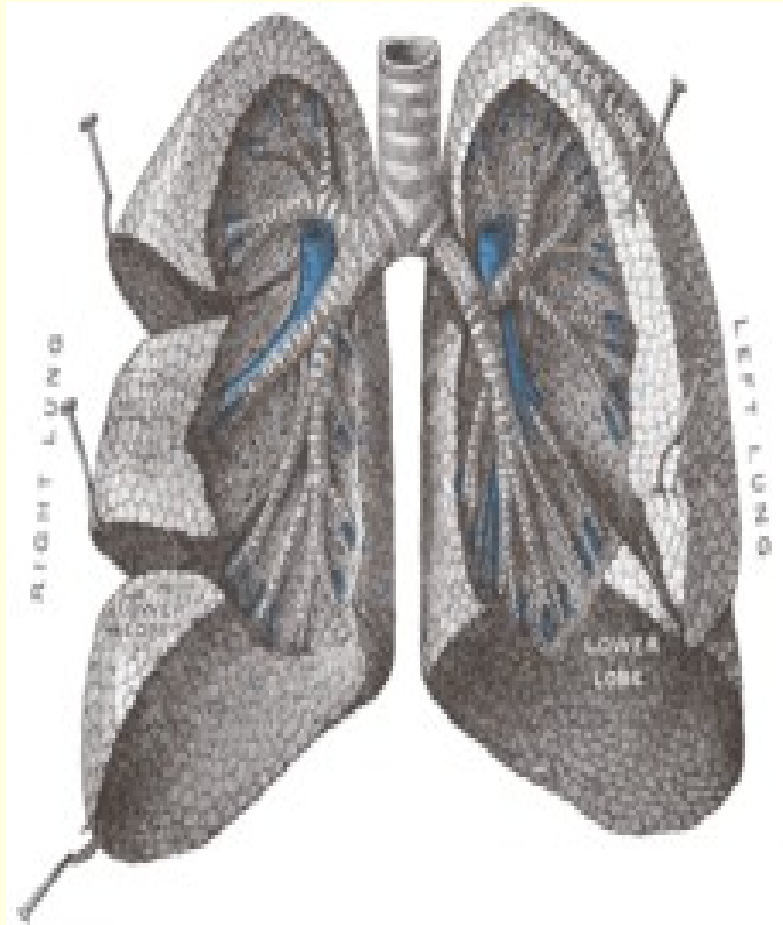






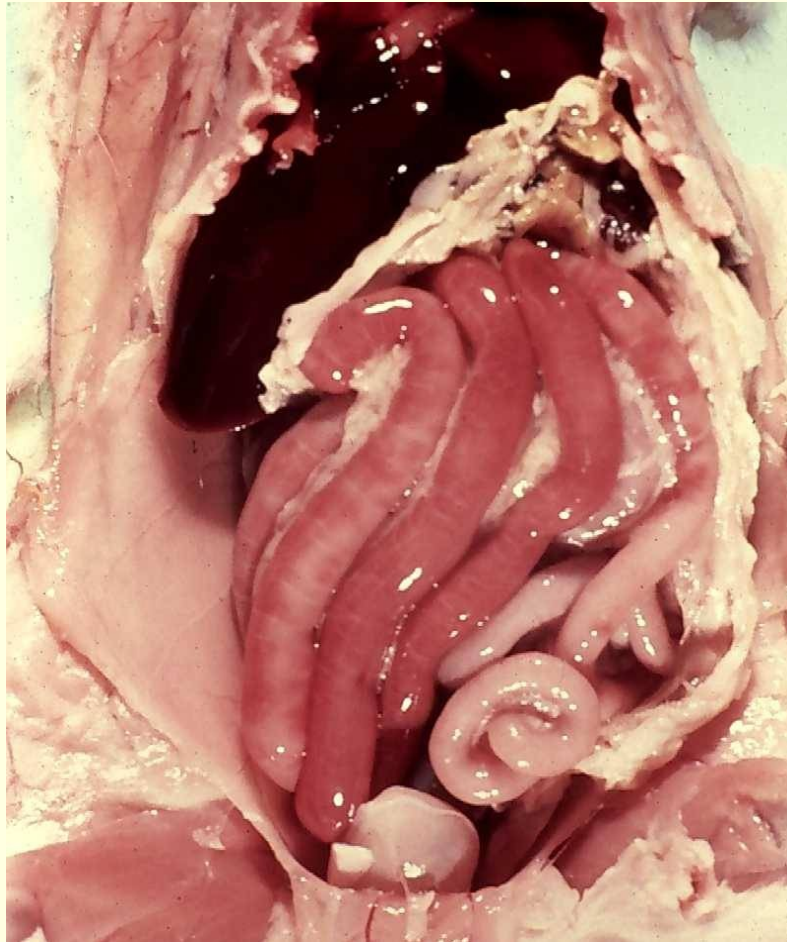


Functions of the blood



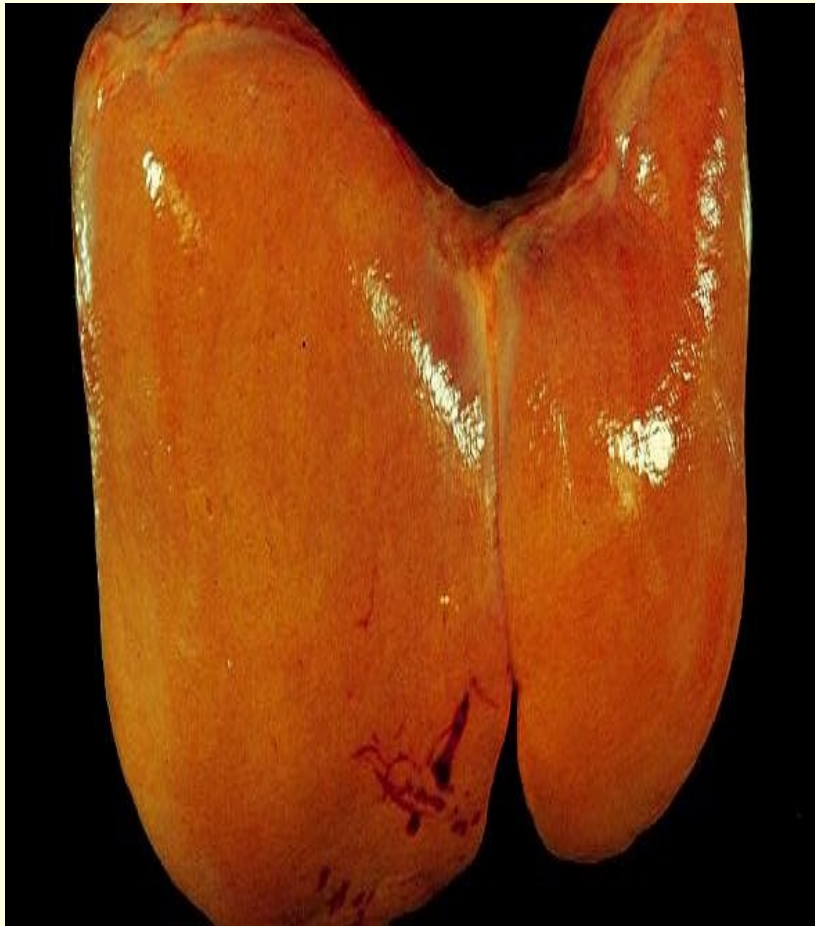
- **Oxygen** is carried in the red cells
- **Carbon dioxide** is carried in the plasma

Functions of the blood



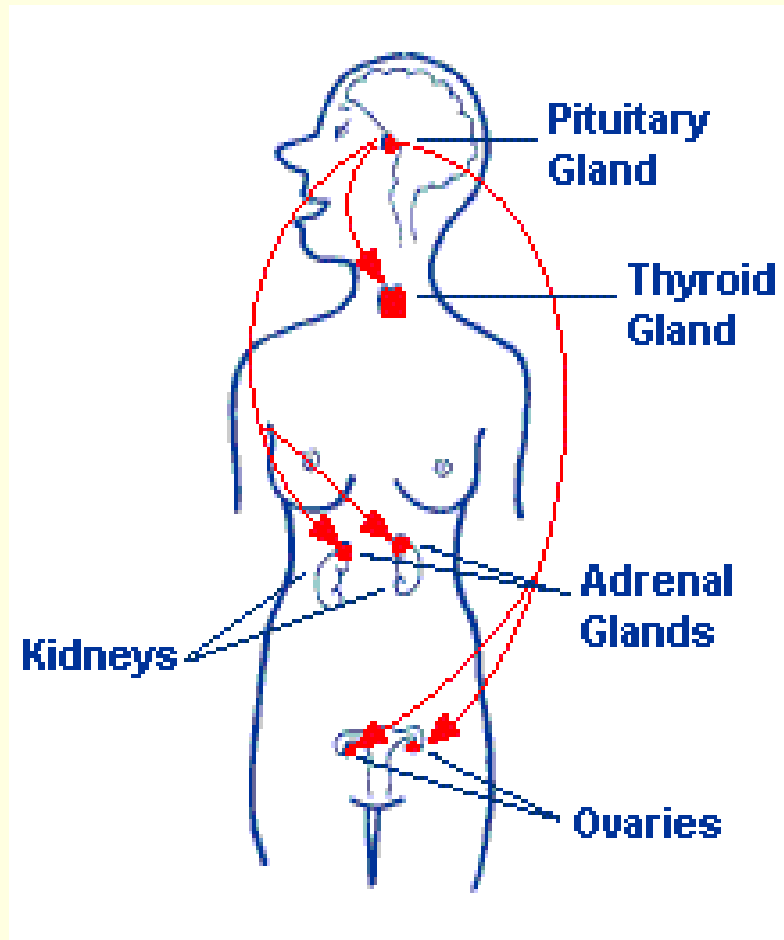
- **digested foods** are carried in the plasma

Functions of the blood



- **Urea** (waste substance) is carried in the plasma from the liver to the kidneys

Functions of the blood



- **Hormones** are carried in the plasma

Functions of the blood



- **Heat** is carried in the blood

BIOLOGY TEXT

- Read p26-27 and answer question 1 off p27

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