

## ORGANISATION OF CVS

- 1.) CIRCULATION
- 2.) FUNCTIONAL PARTS OF CIRC.
- 3.) VOL. OF BLOOD IN DIFFERENT PARTS OF CIRC.
- 4.) PRESSURE IN DIFFERENT PARTS OF CIRC.

# 1) BASICS OF CIRCULATION

CIRCULATION

SYSTEMIC CIRC.

OR

GREATER CIRC.

OR

PERIPHERAL CIRC.



BLOOD FLOWS TO ALL  
THE TISSUES OF BODY  
EXCEPT

LUNGS.

PULMONARY CIRC.



BLOOD FLOW TO THE  
LUNGS.

## 2.2) FUNCTIONAL PARTS OF THE CIRCULATION

ARTERY :- CONDUCTING VESSELS

ARTERIOLES :- RESISTANCE "

CAPILLARY :- EXCHANGE "

VEINS :- CAPACITANCE "

\* ARTERIES :- TAKES BLOOD AWAY FROM HEART

\* VEINS :- TAKES BLOOD TOWARDS HEART  
MAJOR RESERVOIR OF EXTRA BLOOD

\* ARTERIOLES :-

\* CAPILLARIES :-



3. > VOL. OF BLOOD IN DIFF. PARTS OF CIRC.

SYSTEMIC CIRC.

(84%)

HEART

(7%)

PULMONARY  
CIRC.

(9%)

VEINS, VEINULES AND VENOUS SINUSES = 64%

ARTERIES = 13%

ARTERIOLES & CAPILLARIES = 7%





