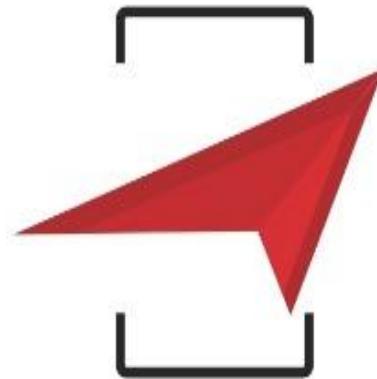


प्रक्रियाएँ तो →
 cyst → Pressure → Kill bits
 movie



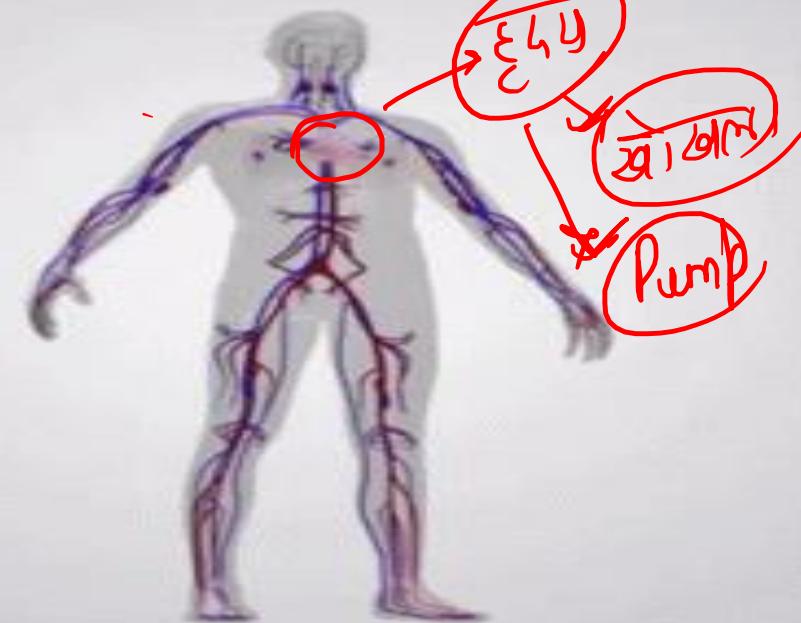
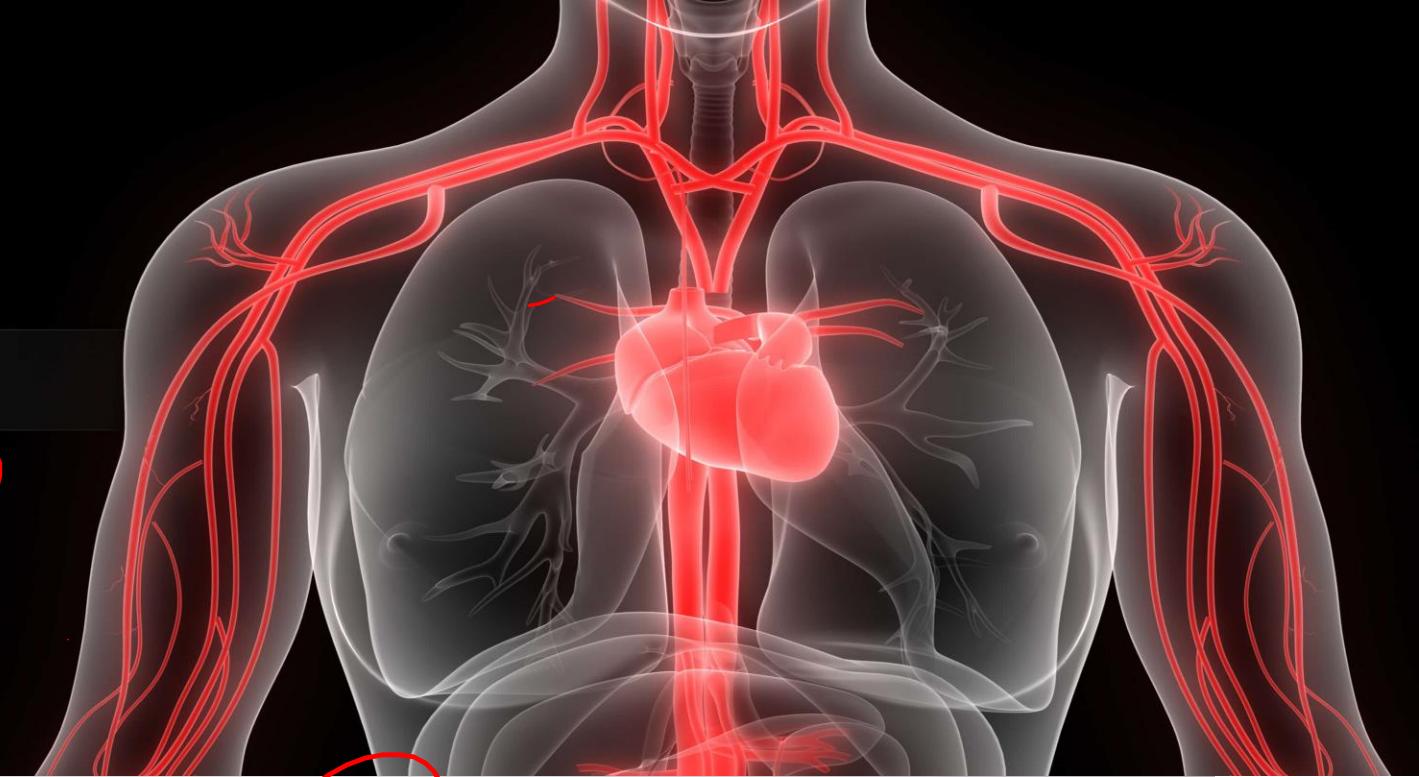
SAFALTA CLASS™

An Initiative by **अमरउजाला**

Circulatory System

Postman

21216



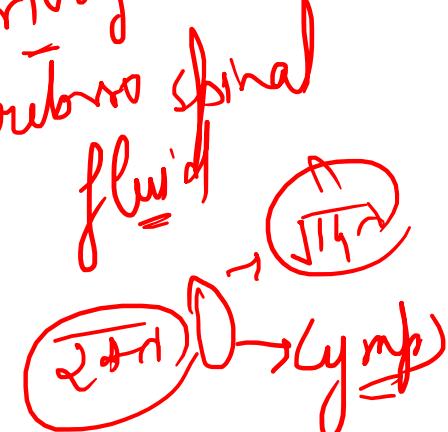
BLOOD CIRCULATORY SYSTEM/रक्त संचार प्रणाली

- 1) Liver
 - 2) Kidney
 - ~~3) Brain~~
 - 4) Hand

- Heart/ हृदय ✓
- Blood Vessel/ शिरा
- Blood / रक्त ✓
- Lymph / लसिका



A hand-drawn diagram illustrating the connection between the heart's chambers and the ECG leads. At the top, the word "chambers" is written above three ovals representing the heart chambers: SA node, atrium, and ventricle. Arrows point from each chamber to a corresponding lead label: 'ECG' for the SA node, 'ST' for the atrium, and 'T' for the ventricle. Below the chambers, the words "vein" and "Artery" are written with arrows pointing to their respective labels: "V" for vein and "A" for artery. A large bracket at the bottom groups the labels "ECG", "ST", and "T" together under the heading "leads".



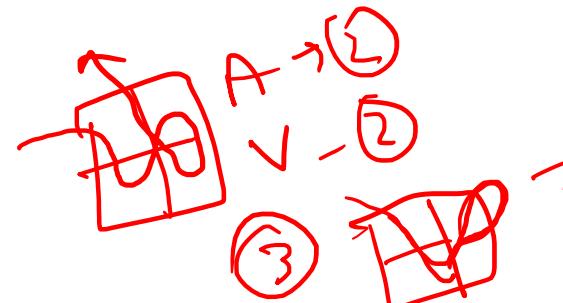
Human → ४

प्रिंटिंग नहीं → द्वितीय नहीं → द्वितीय
 हृदय → भ्रूण → अनोक्षिक

William Harvey/विलियम हार्वे discovered Blood Circulatory System in 1628.

HEART/हृदय

(४)



४०वाँ दिन → द्वितीय

- It's a hollow muscular organ that pumps blood to the whole body.
- Mammal's - 4 chambers/कक्ष ;
- Fish - two-chambered/कक्ष heart;
- Amphibians have 3 chambered heart.
- Cockroach :- 13 Chambered (blood circulation - Open)
- Heart has involuntary muscles/अनोक्षिक पेशी .
- Formation of heart takes place on the 40th day of development of embryo/भ्रूण का निर्माण

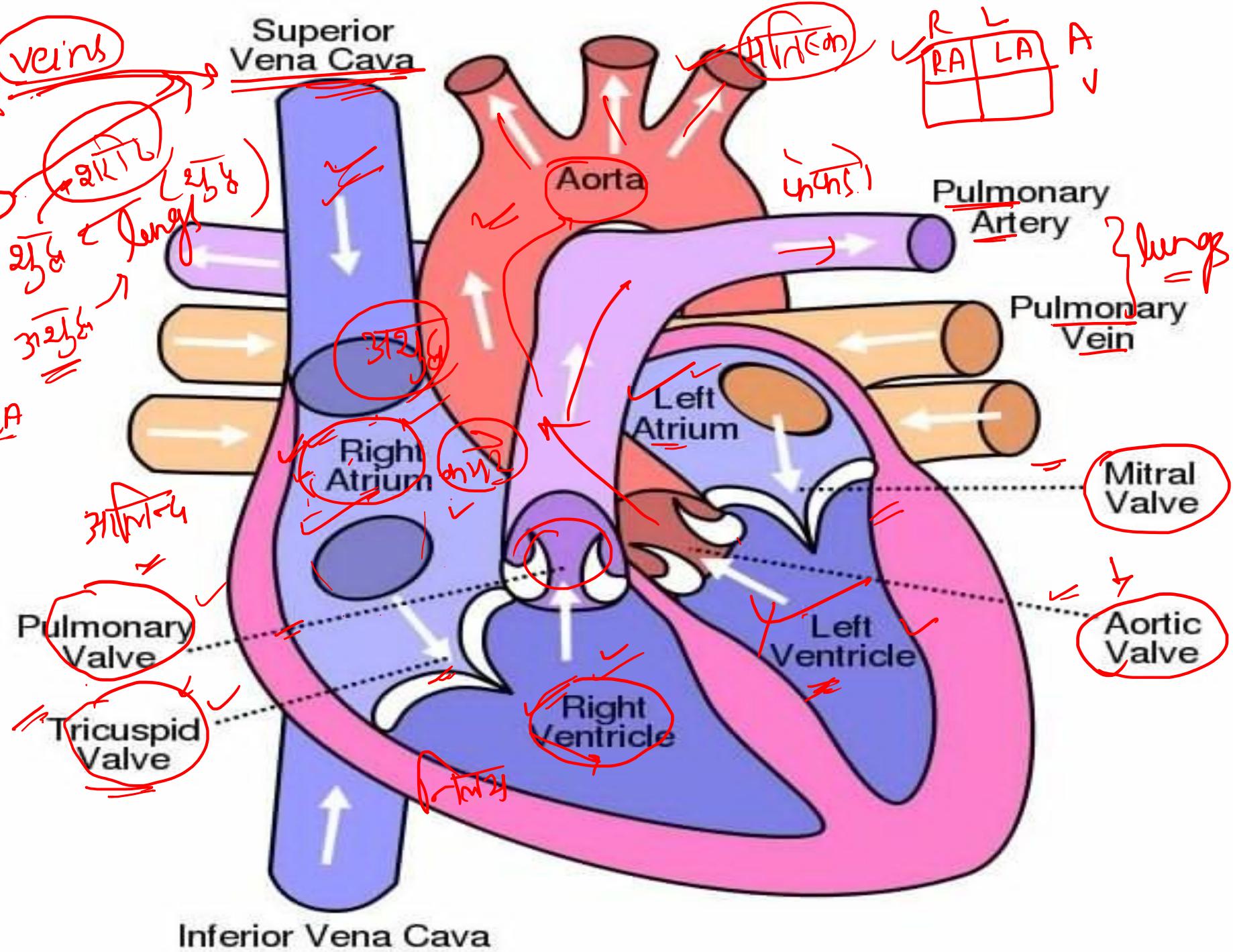
अस्थिर पेशी

मृत्तिका

सूक्ष्म प्रक्रिया

निर्माण

Heart Of Human Body



Cardiac Cycle/हृदय चक्रः

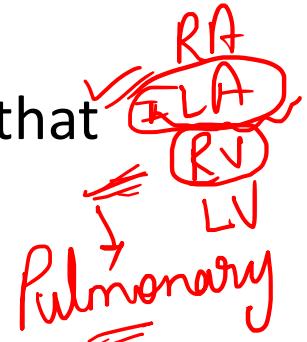
The Cardiac Cycle refers to the sequence of mechanical and electrical events that repeats with every heartbeat.

Duration is of 0.8 sec.

- Systole (0.3 sec) → Lub
- Diastole (0.5 sec) → Dub

0.8

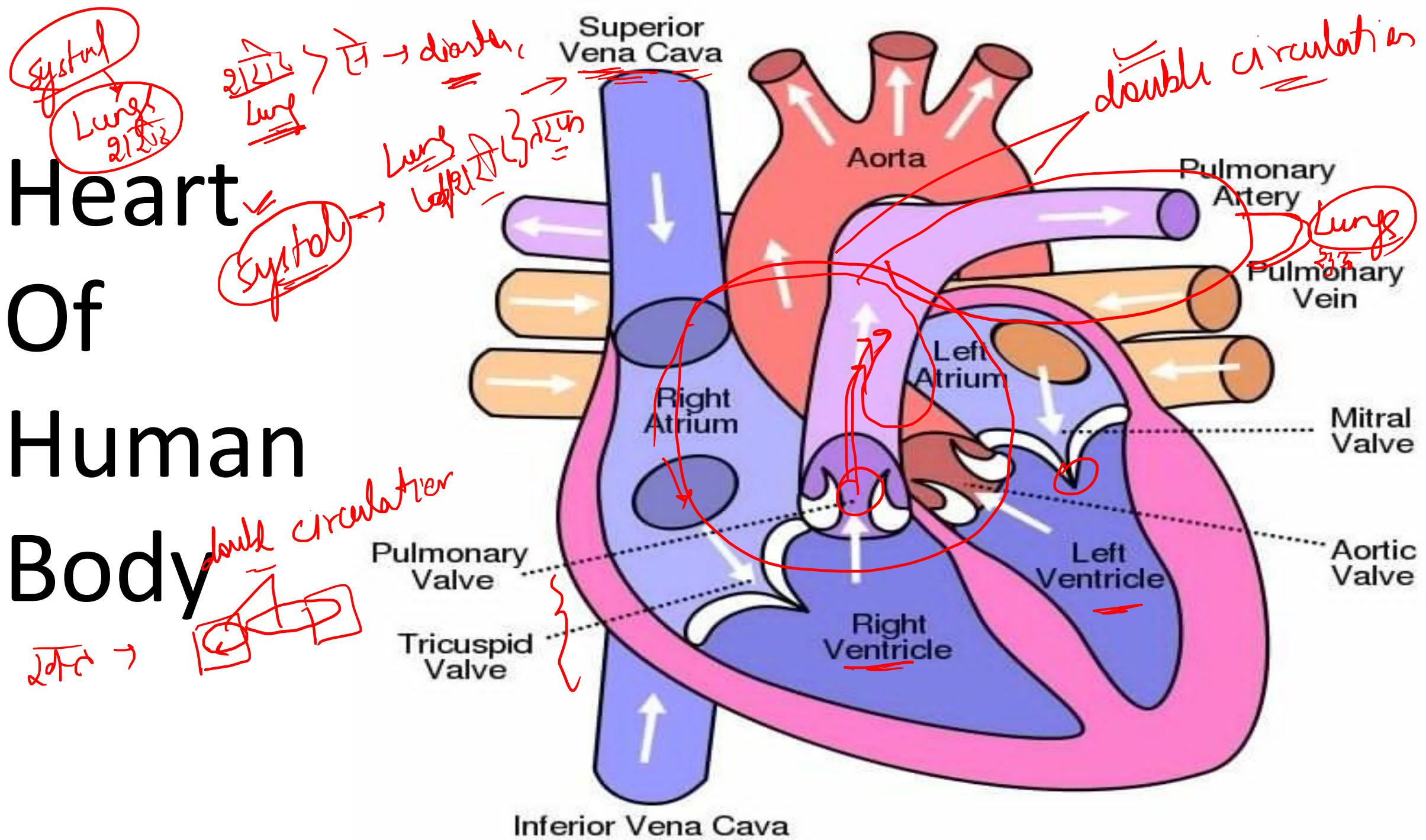
TPMA
तप्हि



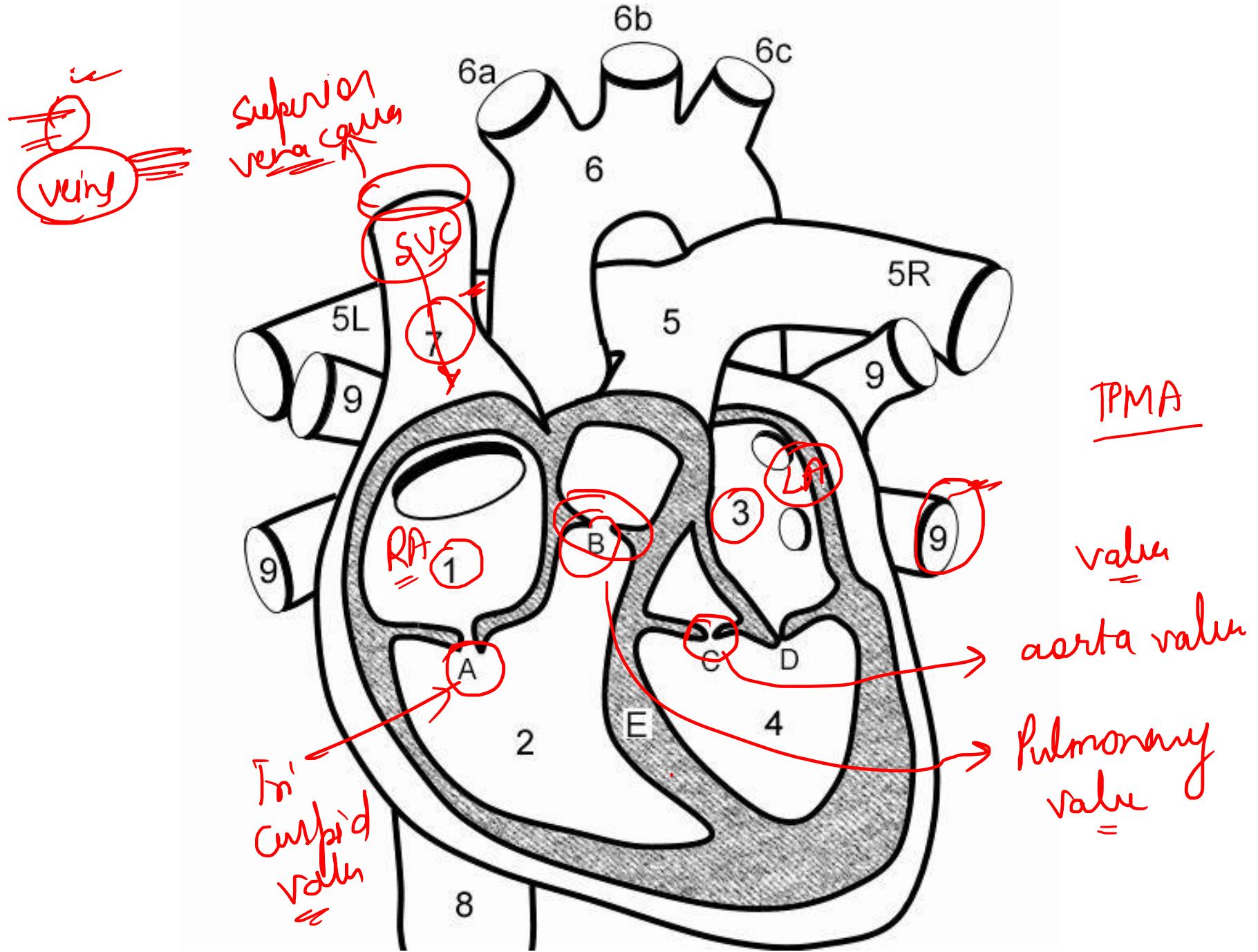
When The Heart pumps it makes Lub – Dub sound/लब डब आवाज़ (during opening and closing)

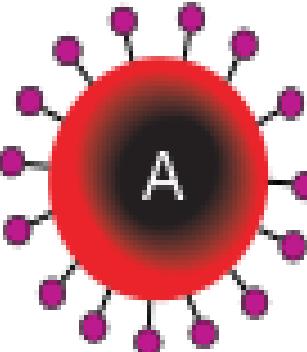
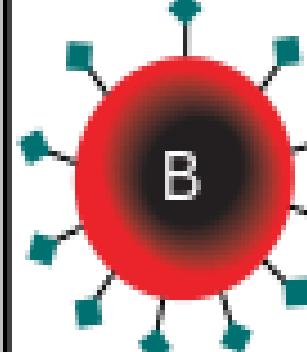
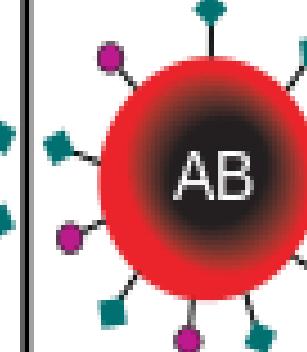
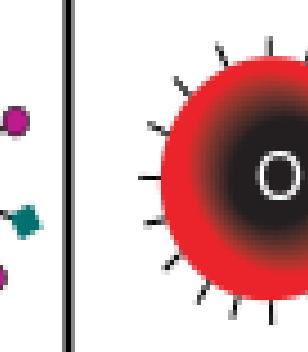
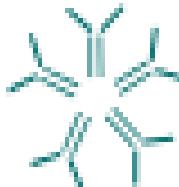
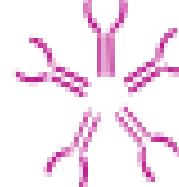
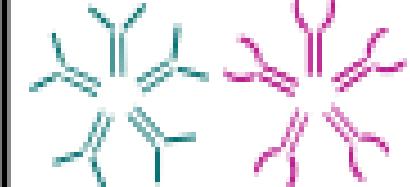
Angiography is done to test the blockage in the heart.

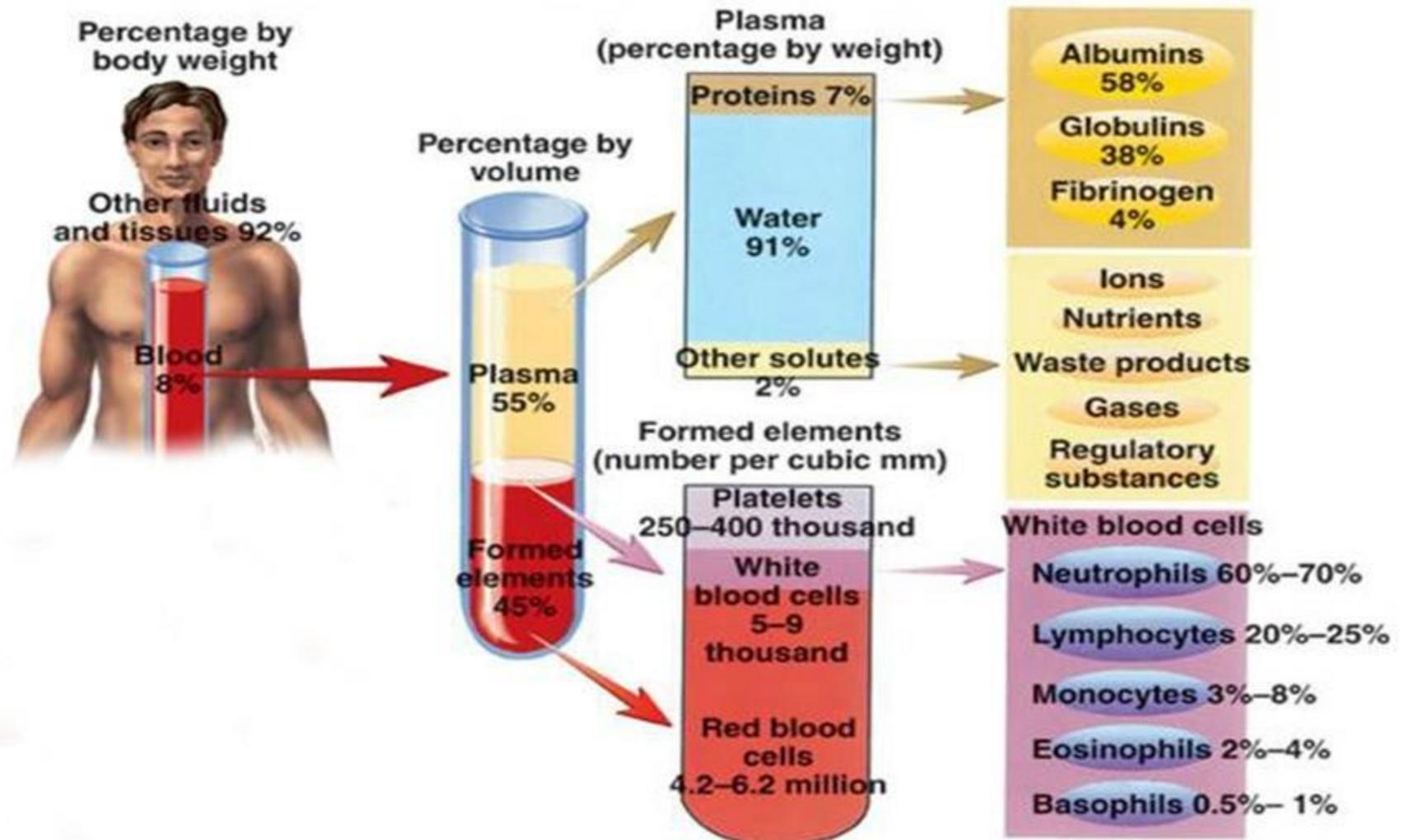
Heart Of Human Body

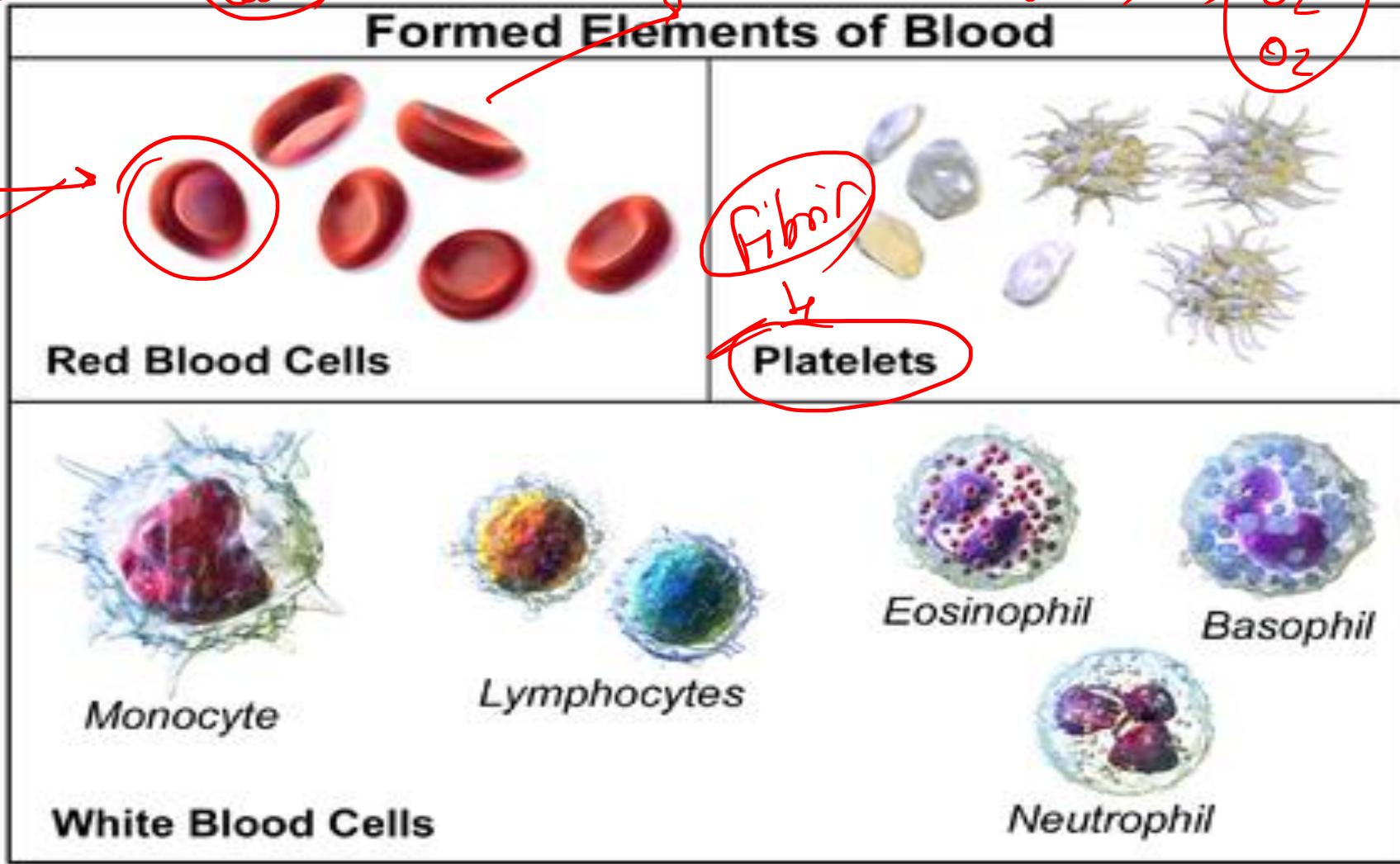


Heart Of Human Body



	Group A	Group B	Group AB	Group O
Red blood cell type				
Antibodies in Plasma			Anti-A and Anti-B	
Antigens in Red Blood Cell	A antigen	B antigen	A and B antigens	None

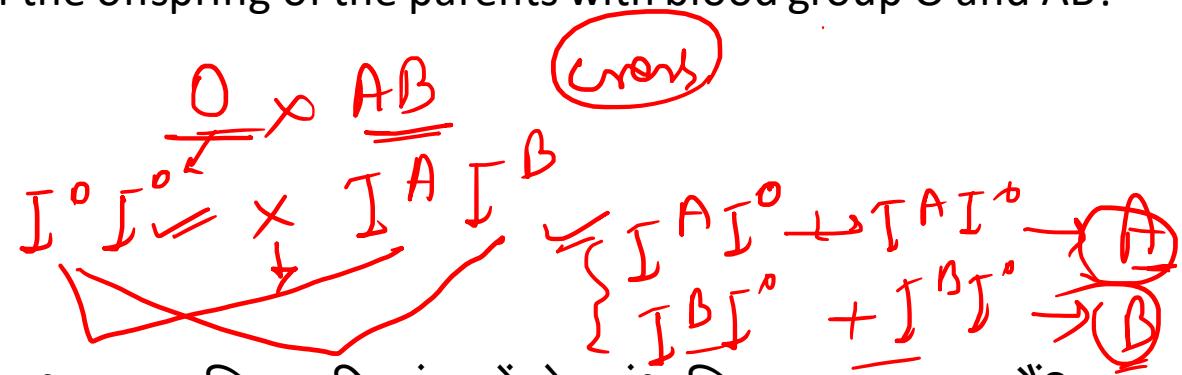
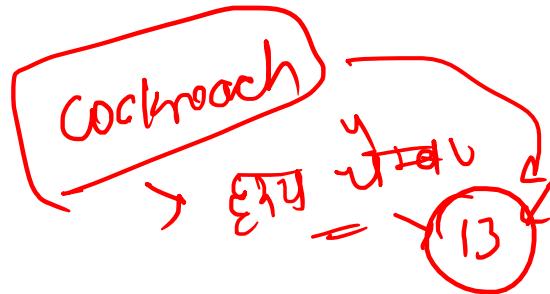




negative
positive > Rh factor → Karl Landsteiner → कार्ल लंस्टीन

Which of the following are the possible blood groups of the offspring of the parents with blood group O and AB?

- 1. O, A, B and AB
- 2. A and B
- 3. A, B and AB
- 4. O and AB



निम्नलिखित में से कौन सा रक्त समूह O और AB के साथ माता-पिता की संतानों के संभावित रक्त समूह हैं?

- 1. ओ, ए, बी और एबी
- 2. ए और बी
- 3. ए, बी और एबी
- 4. ओ और एबी

$$A \rightarrow J^A, I^O$$

$$B \rightarrow J^B, I^B$$

$$\checkmark AB \rightarrow J^A, J^B$$

$$\checkmark O \rightarrow I^O, I^O$$

O → ~~Father~~



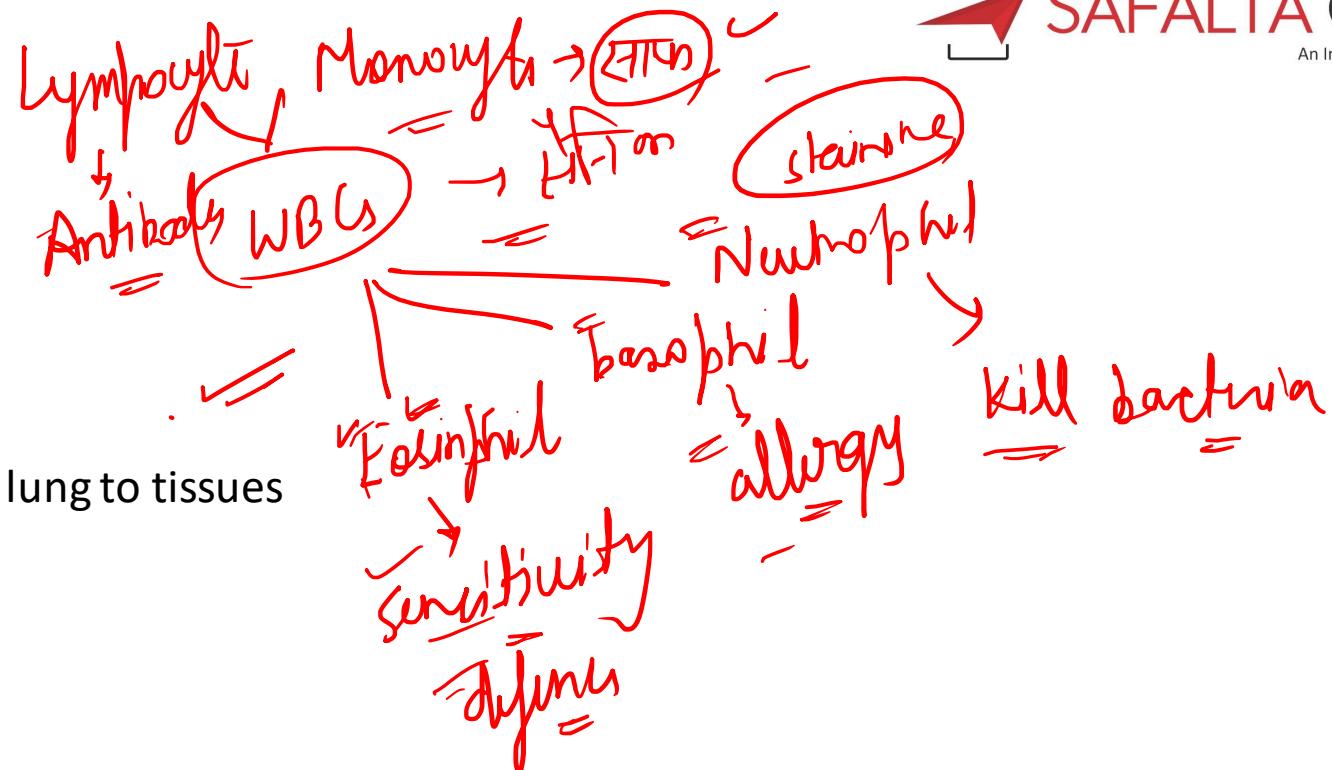
श्वेत
RBC

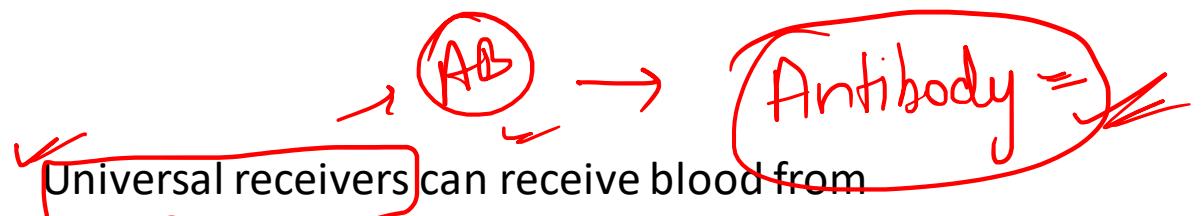
White blood cells act

- ✓ 1. as a defence against infection
- 2. as source of energy
- 3. for clotting blood
- 4. as a medium for oxygen transport from lung to tissues

श्वेत रक्त कोशिकाएं क्रिया करती हैं

- 1. संक्रमण से बचाव के रूप में ✓
- 2. ऊर्जा के स्रोत के रूप में ✓
- 3. रक्त के थक्के के लिए ✓
- 4. फेफड़ों से ऊतकों तक ऑक्सीजन परिवहन के लिए एक माध्यम के रूप में

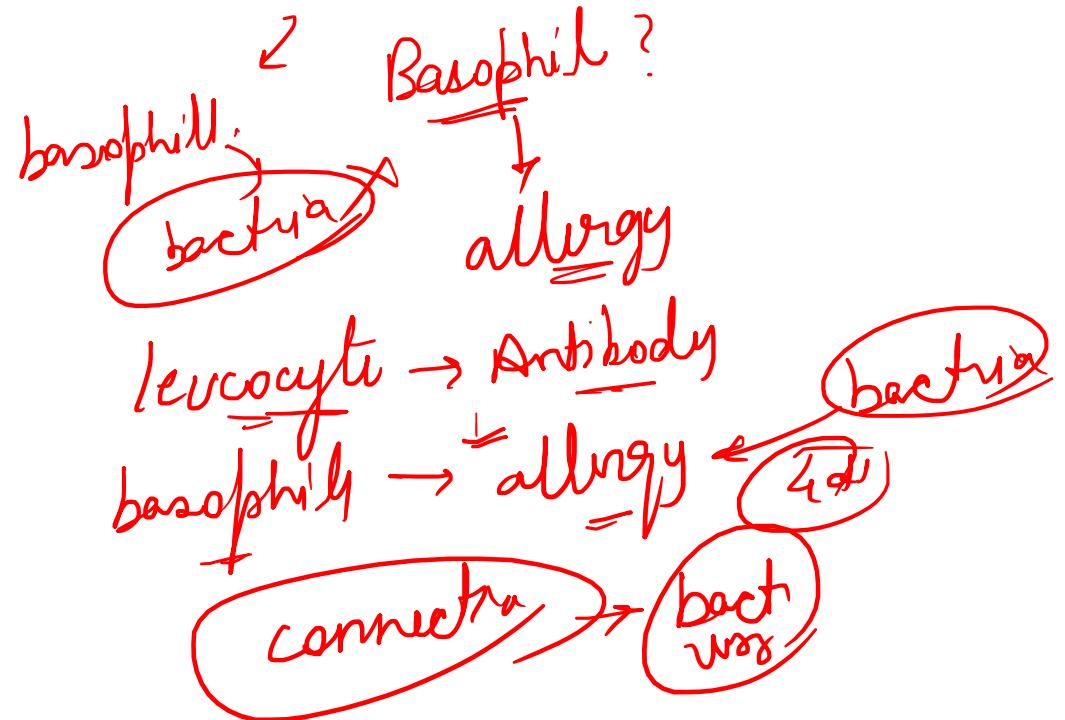




1. Group AB only
2. Group O only
3. Groups A, AB
4. Groups O, A, B, AB

यूनिवर्सल रिसीवर से रक्त प्राप्त कर सकते हैं

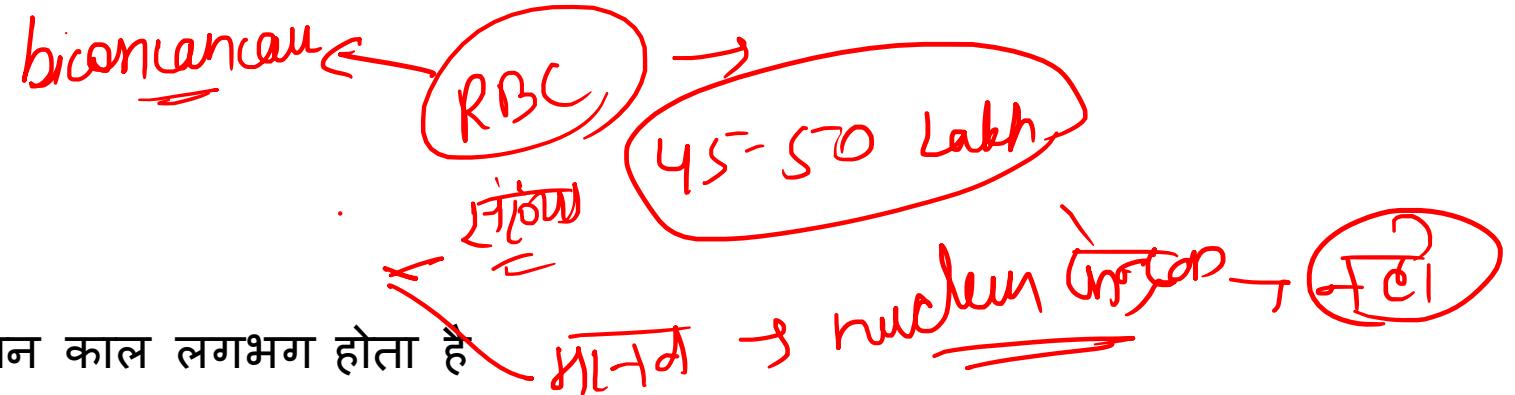
1. केवल ग्रुप एबी
2. ग्रुप ओ केवल
3. समूह ए, एबी
4. समूह ओ, ए, बी, एबी



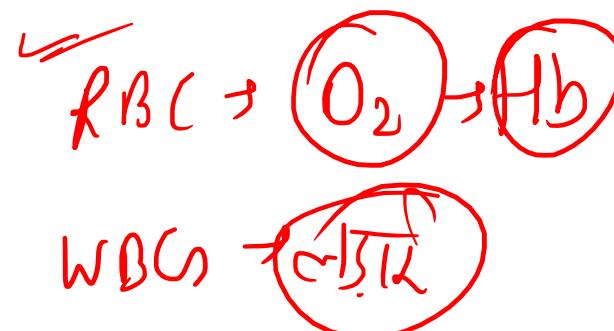
The average life span of red blood corpuscles is about

1. 100 - 200 days
- ✓ 2. 100 - 120 days
3. 160 - 180 days
4. 150 - 200 days

लाल रक्त कणिकाओं का औसत जीवन काल लगभग होता है

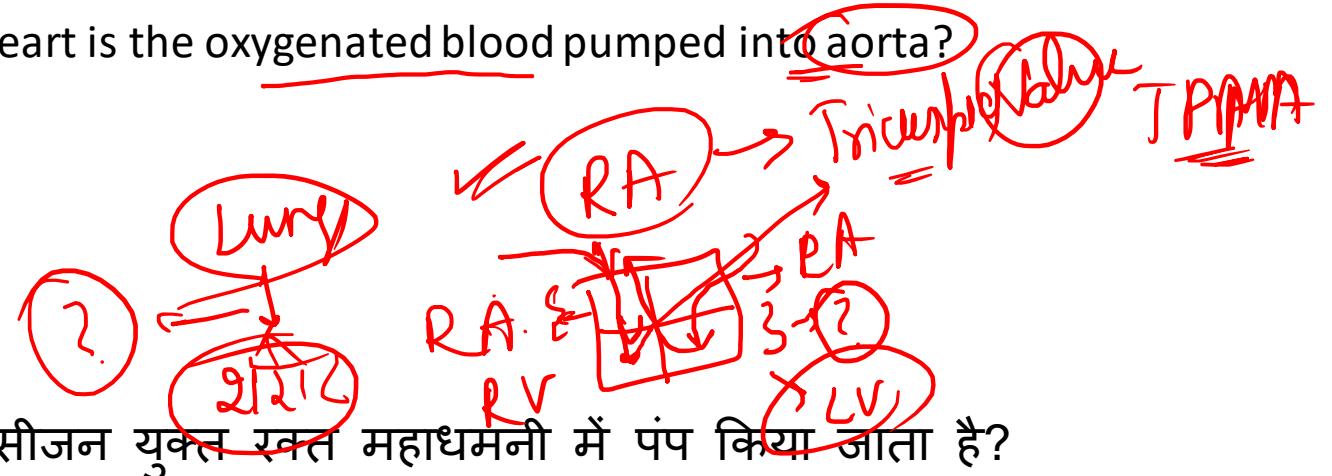


1. 100 - 200 दिन
2. 100 - 120 दिन
3. 160 - 180 दिन
4. 150 - 200 दिन



From which one of the following chambers of human heart is the oxygenated blood pumped into aorta?

1. Right atrium
2. Right ventricle
3. Left atrium
4. Left ventricle



मानव हृदय के निम्नलिखित कक्षों में से कौन सा ऑक्सीजन युक्त रक्त महाधमनी में पंप किया जाता है?

1. दायां अलिंद
2. दाहिना वैंट्रिकल
3. बायां आलिंद
4. दिल का बायां निचला भाग

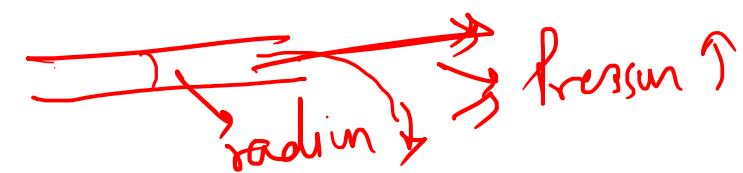
एक्यु रिक्स

को मिहित करते

CO_2
medullary oblongata

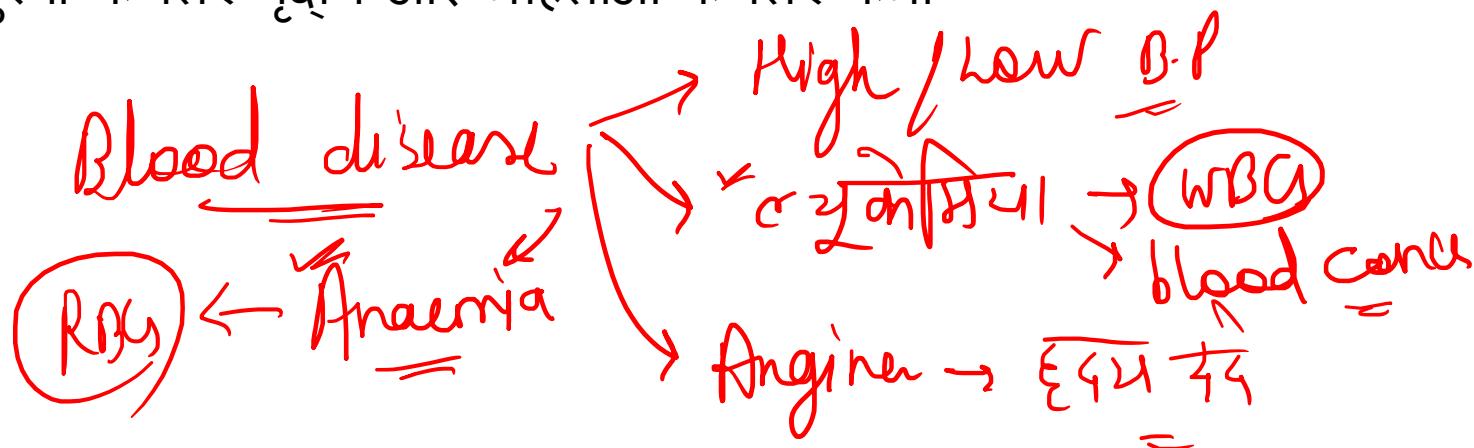
If the radius of blood vessels of a person decreases his/her blood pressure will

1. increase
2. decrease
3. remain unaffected
4. increase for males and decrease for females



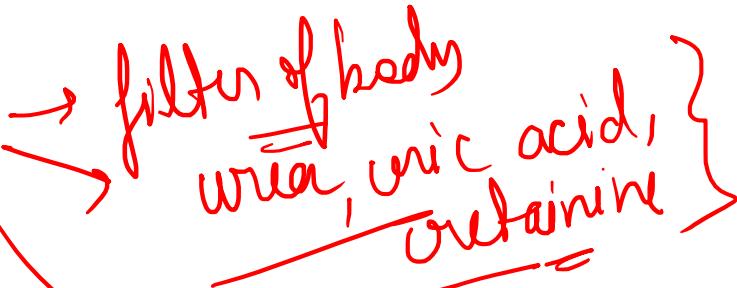
यदि किसी व्यक्ति की रक्त वाहिकाओं की त्रिज्या घटती है तो उसका रक्तचाप कम होगा

1. बढ़ना
2. कमी
3. अप्रभावित रहें
4. पुरुषों के लिए वृद्धि और महिलाओं के लिए कमी



Mineral impurities in blood are removed by

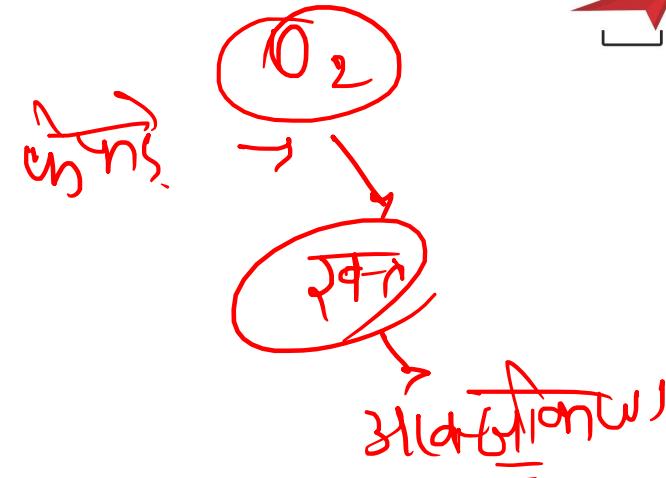
1. Lungs
2. Kidney
3. Spleen
4. Liver



रक्त में खनिज अशुद्धियों को हटा दिया जाता है

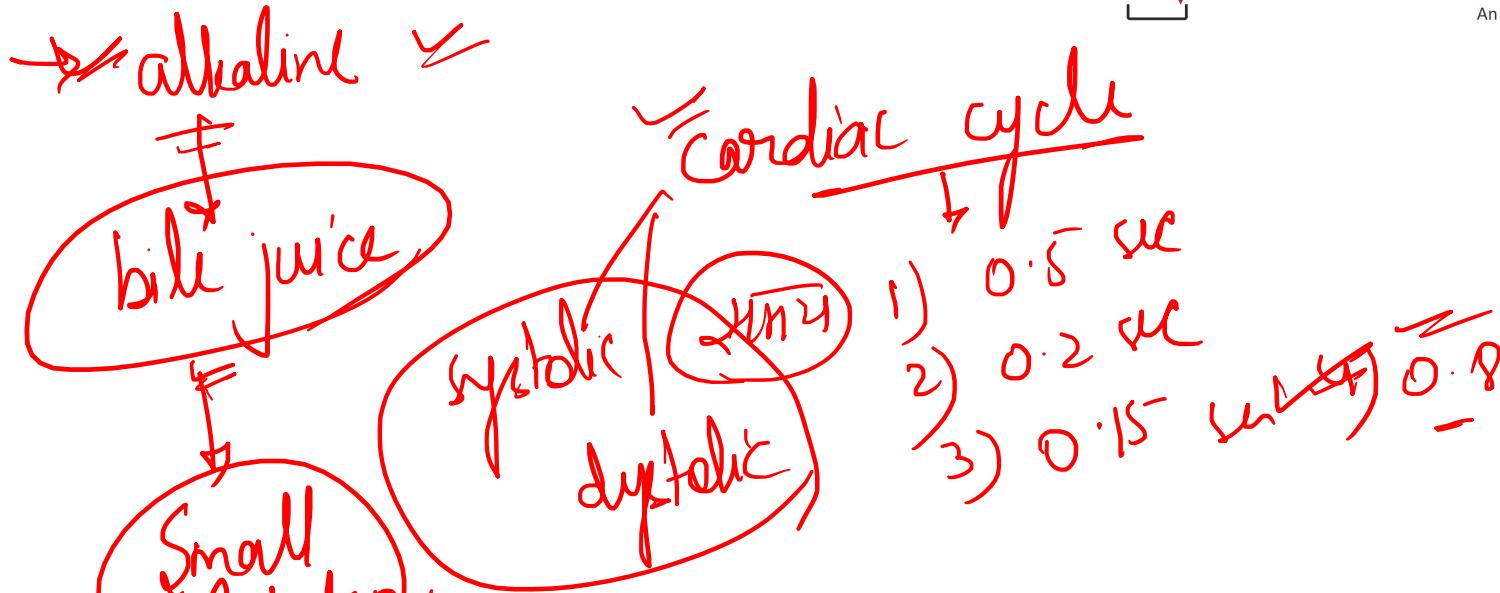
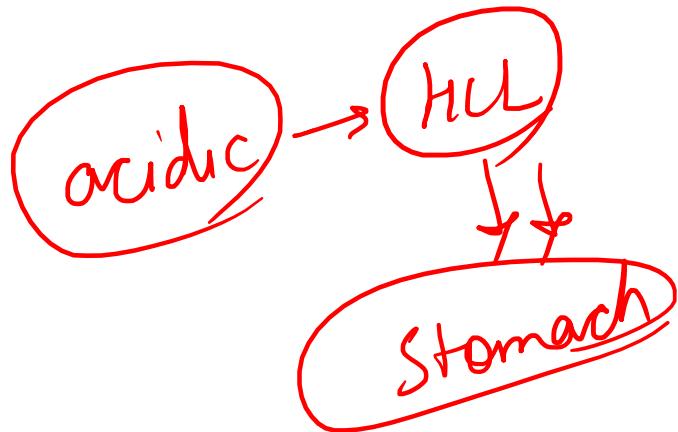
1. फेफड़े
2. गुर्दा
3. तिल्ली
4. जिगर

Nephron

The pH of Human Blood is ___?
 मानव रक्त का पीएच ___ है?

- 1) 7.4
- 2) 7.2
- 3) 7.8
- 4) 6.6



- 1) 0.5 sec
 2) 0.2 sec
 3) 0.15 sec (marked with a checkmark)
- 0.8

Consider the following

1. Cartilage 
2. Blood 
3. Neurons 

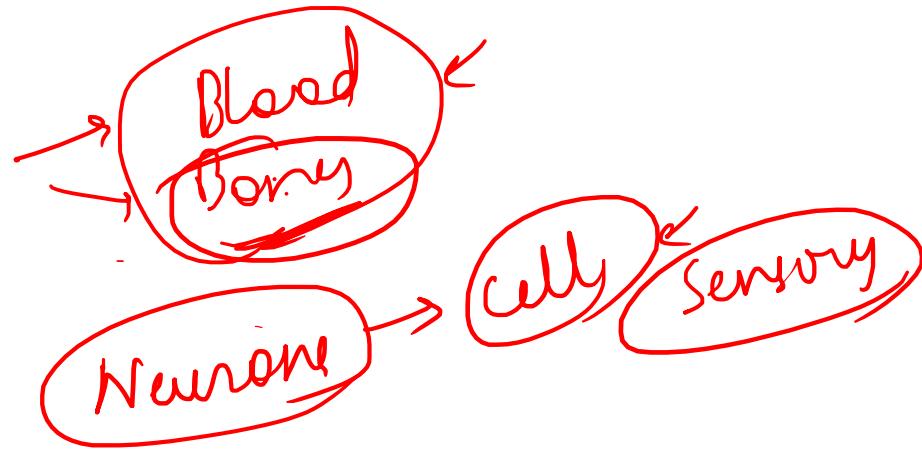
Which of the above is/are **connective tissues?**

निम्नलिखित पर विचार करें

1. उपास्थि
2. रक्त
3. न्यूरोन्स

उपरोक्त में से कौन सा है/संयोजी ऊतक हैं?

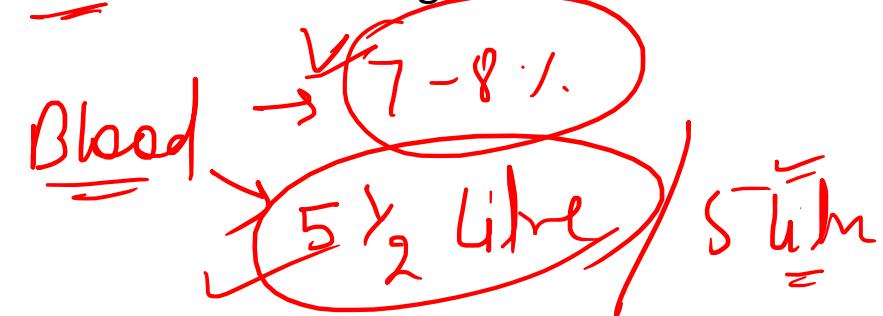
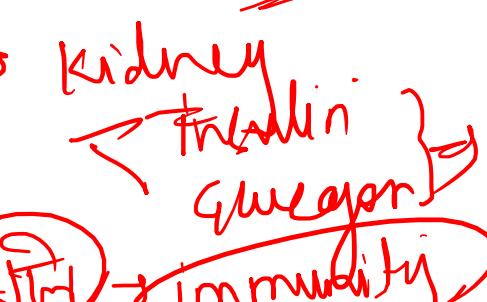
- A. 2 only
- B. 1 only
- C. **1 and 2**
- D. 2 and 3
- E. 1, 2 and 3



Correct Option: C

In which one of the following is extra blood stored and is released when shortage occurs?

1. Adrenal gland
2. Pancreas
3. Spleen
4. Thyroid gland



जिसमें निम्नलिखित में से एक अतिरिक्त रक्त संग्रहीत है और कमी होने पर जारी किया जाता है?

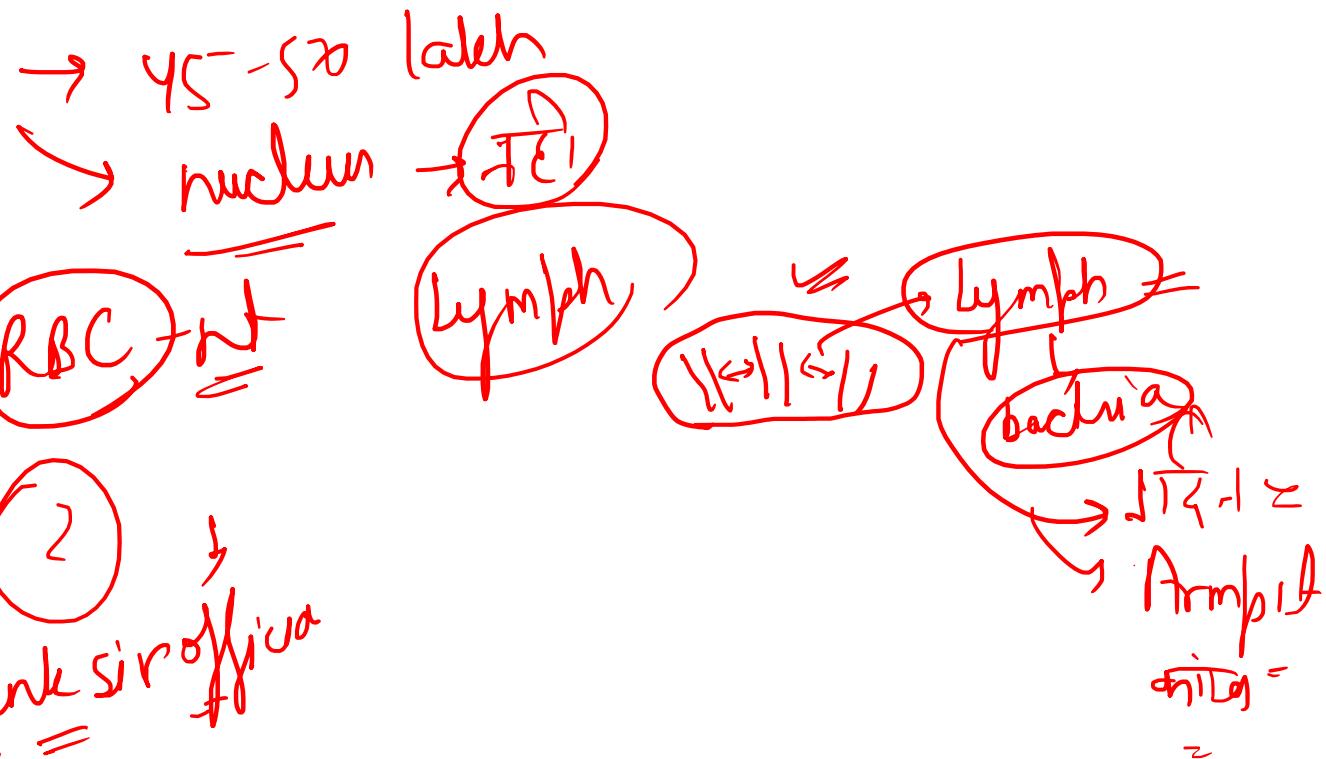
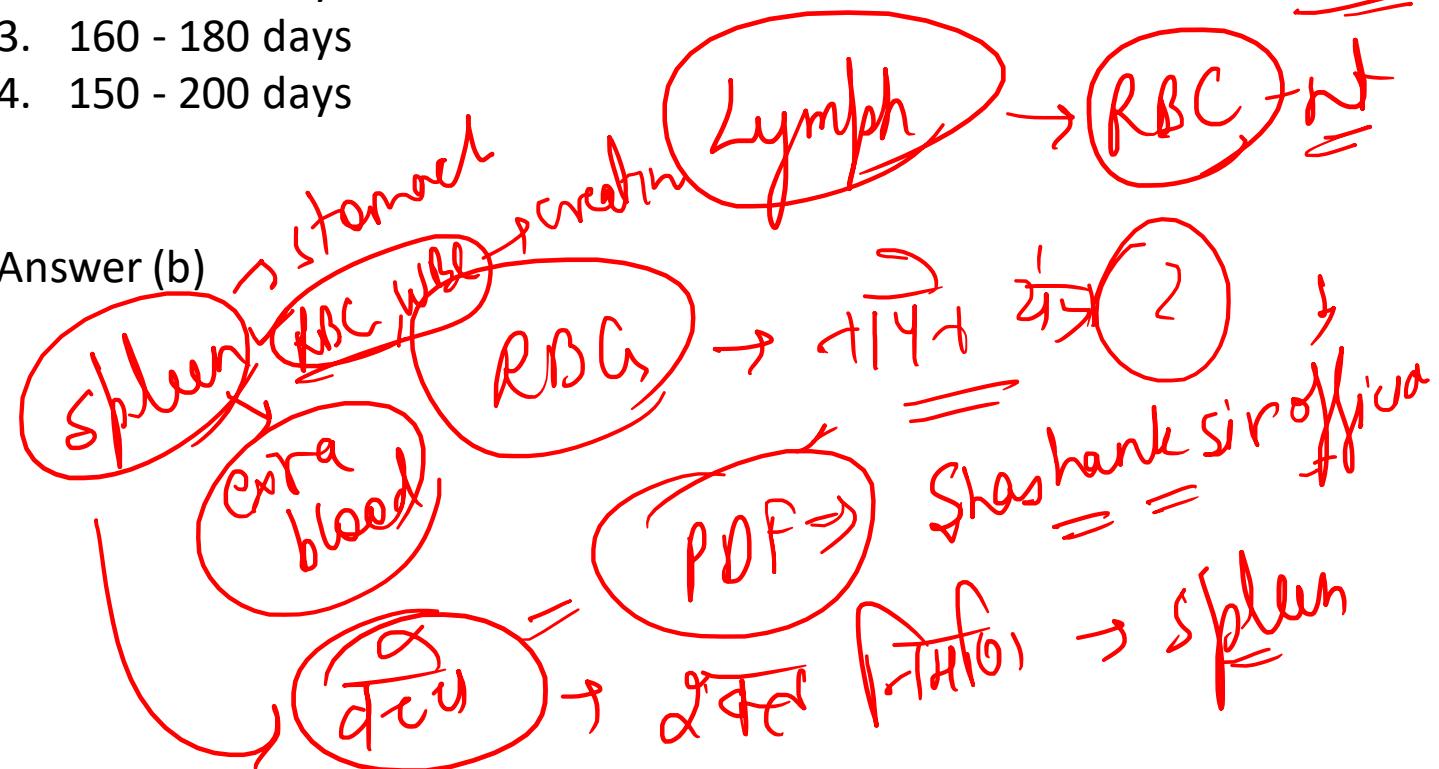
1. अधिवृक्क ग्रंथि
2. अग्न्याशय
3. गुस्सा
4. थायराइड ग्रंथि

Answer (c)

The average life span of red blood corpuscles is about
 लाल रक्त कोष के औसत जीवन काल के बारे में है

1. 100 - 200 days
2. 100 - 120 days
3. 160 - 180 days
4. 150 - 200 days

Answer (b)



LIKE
SHARE
SUBSCRIBE

*Thank
you*



