

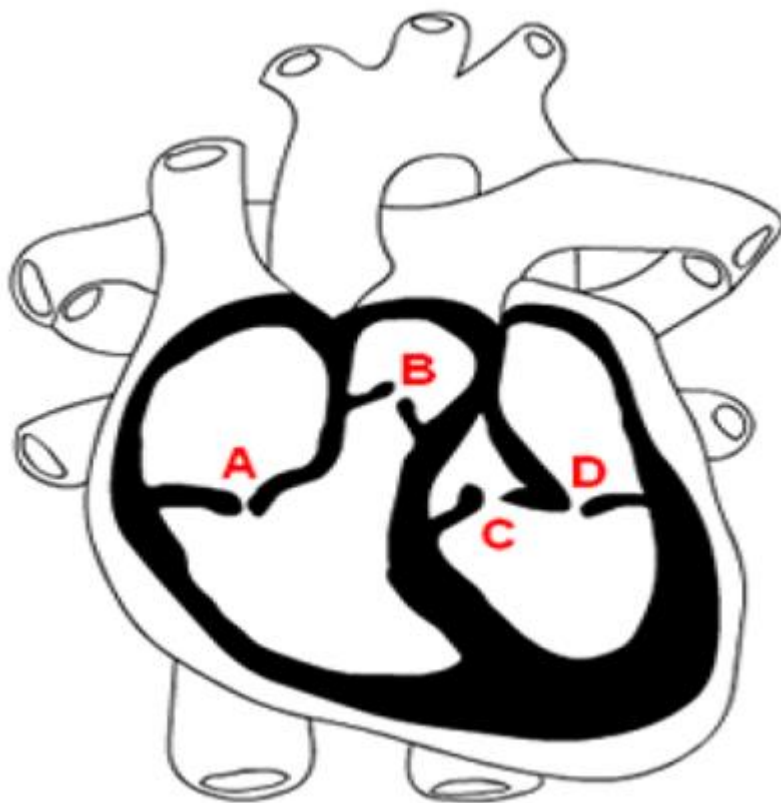
## Sample Questions

### Basic Biology

1. What happens in Hypoxic hypoxia?

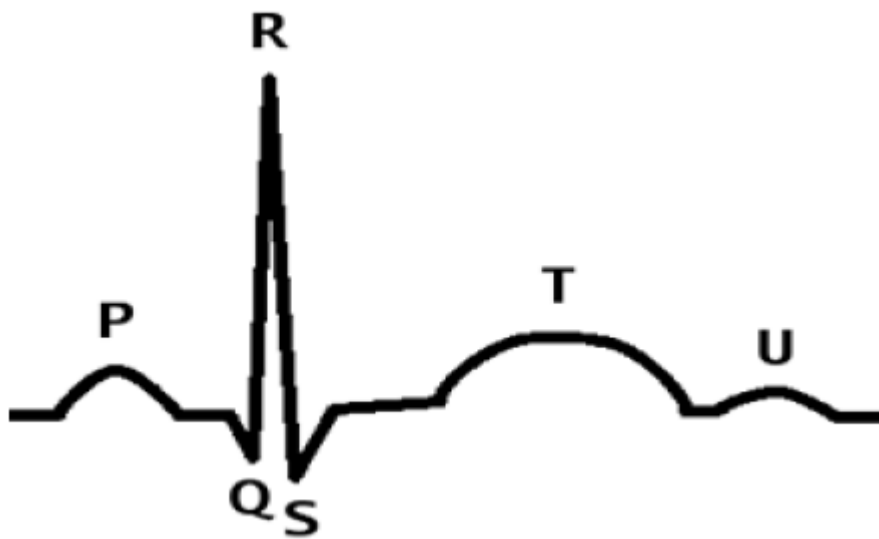
- a. The arterial  $pO_2$  becomes 100 mm of Hg
- b. The arterial  $pO_2$  falls below 100 mm of Hg
- c. The arterial  $pCO_2$  becomes 30 mm of Hg
- d. The arterial  $pCO_2$  rises above 40 mm of Hg

2. Refer to the labeled parts of a human heart. Which of the following parts does 'B' signify?



- a. Tricuspid valve
- b. Pulmonary semilunar valve
- c. Mitral valve
- d. Aortic valve

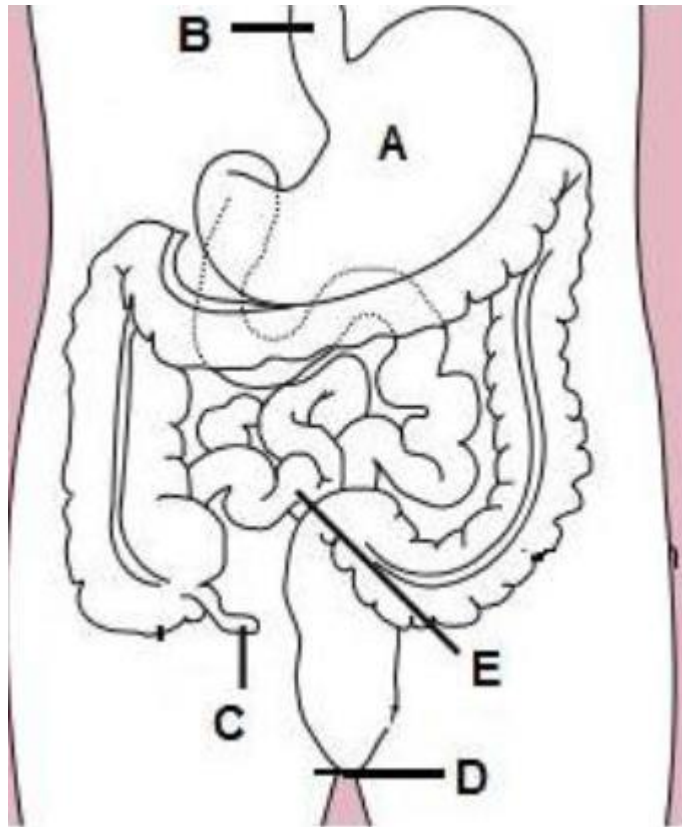
3. Martin was admitted to hospital with pancreatitis. He was recommended to take pancreatic enzyme as a supplement. How should the enzyme be consumed?
- It should be chewed with warm water.
  - It should be mixed with juice and consumed.
  - It should be administered intravenously after the meals
  - It should be chewed with hot milk.
4. Refer to the ECG output shown in the image.  
Which of the following conditions would lead to a QRS complex wave as shown in the electrocardiograph?



- Atrial depolarization
- Ventricular depolarization
- Atrial repolarization
- Ventricular repolarization

5. A nurse needs to prepare a discharge teaching plan for a woman who underwent hysterectomy 2 days ago. Which of the following should she advise the woman to do?
- A. Perform light abdominal exercises
  - B. Restrict strenuous physical activity
  - C. Intake of a low-fat diet
  - D. Use of oral contraceptives
- a. Only A
  - b. Only C
  - c. B and D
  - d. A, B and C
  - e. A, B, C and D
6. Aaron suffered a serious head injury in an accident. On further investigation, the doctor found that his hippocampus was damaged. What could this result in?
- a. Emotional instability
  - b. Inability to build long term memory
  - c. Body imbalance
  - d. Decrease in body temperature
7. Peptic ulcer is caused by all of the following factors except \_\_\_\_\_.
- a. excessive use of non steroidal anti-inflammatory drugs like aspirin
  - b. bacterial infection by Staphylococcus
  - c. action of digestive enzyme called amylase
  - d. excessive secretion of vasoactive intestinal polypeptide

8. Identify the organ/part when inflamed is called appendicitis



- a. A
- b. B
- c. C
- d. D
- e. E

9. Which of the following bones is a marker for various diseases and is also an important element in the primary diagnosis of brittle bone disease?
- a. Sutural bone
  - b. Frontal bone
  - c. Navicular bone
  - d. Patella bone

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