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# Biology Science Questions for CDS Exams

## Biology Quiz 2

Direction : Study the following question carefully and choose the right answer.

**1. Which one of the following is considered as the easily digestible source of protein?**

A. Egg albumin    B. Soyabean    C. Fish flesh    D. Red meat

**2. In normal adult human, what is the rate of heart beat per minute?**

A. 60-100    B. 70-75    C. 80-97    D. 82-87

**3. The terms lubb and dubb relates to which one of the following?**

A. Heart    B. Eyes    C. Teeth    D. Lungs

**4. In human body, what is the number of cervical vertebrae?**

A. 5    B. 7    C. 8    D. 12

**5. Which of the following is a rich source of energy?**

A. Protein    B. Lipid    C. Carbohydrate    D. Vitamin

**6. By using which one of the following techniques, is DNA fingerprinting done?**

A. ELISA    B. RIA    C. Northern Blotting    D. Southern Blotting

**7. Which chamber of human heart pumps fully oxygenated blood to aorta and then to the body?**

A. Right auricle    B. Left auricle    C. Right ventricle    D. Left ventricle

**8. Which one of the following is a major constituent of biogas?**

A. Carbon dioxide    B. Methane    C. Hydrogen    D. Nitrogen dioxide

**9. Which one of the following is responsible for converting milk into curd?**

A. Fungi    B. Bacteria    C. Virus    D. None of these

**10. Sweating during exercise indicates operation of which one of the following processes in the human body?**

A. Enthalpy    B. Homeostasis    C. Phagocytosis    D. Osmoregulation



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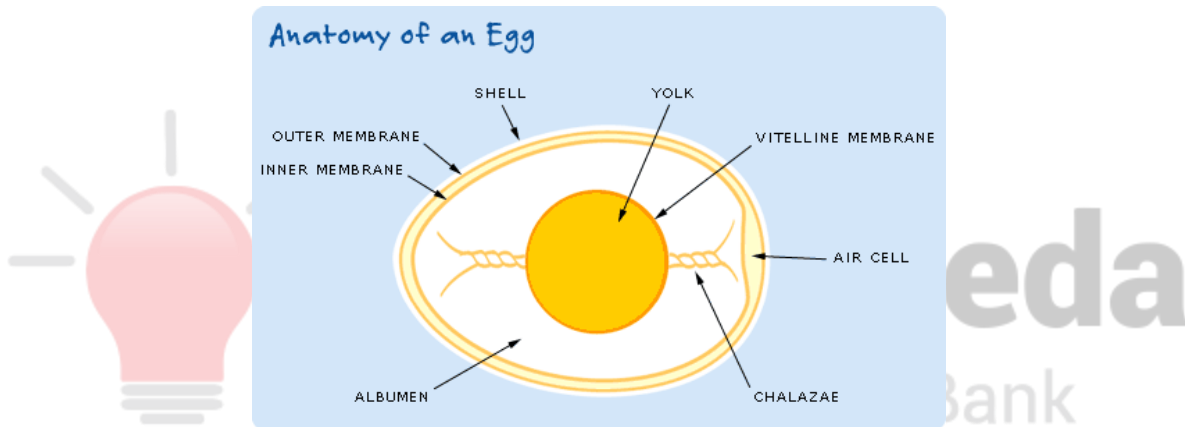
**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
A	A	A	B	C	D	D	B	B	B

**Explanations:**

**1.**

Egg white is fairly easy way to add protein to any diet. Egg albumin is a class of simple, water soluble proteins that are found in egg white.



**2.**

The human heart beats at the rate of about 60-100 per minute in the resting condition.

**3.**

The term lubb and dubb is related to heart. Lubb is the first sound in the heart created by the closure of atrioventricular values (tricuspid and bicuspid) at the beginning of ventricular systole. Dup is the second sound created by the closure of semilunar value towards the end of ventricular systole.

4.

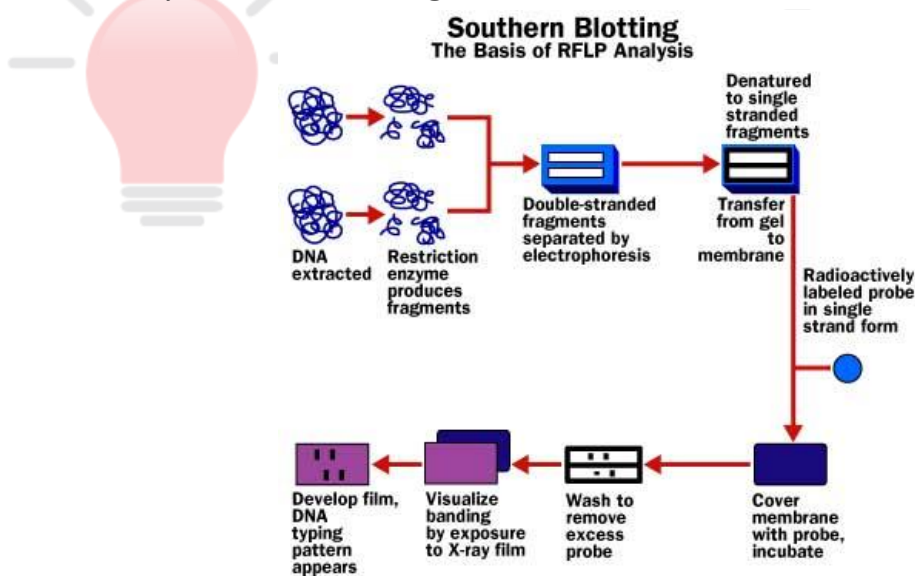
In vertebrates, cervical vertebrae are those which are immediately inferior to the skull. They are smallest of true vertebrae and their number in human body is equal to 7.

5.

Carbohydrates is an essential nutrient in human. It serves as rich source of energy. cereals, bread ,potato , cane etc have rich source of carbohydrate.

6.

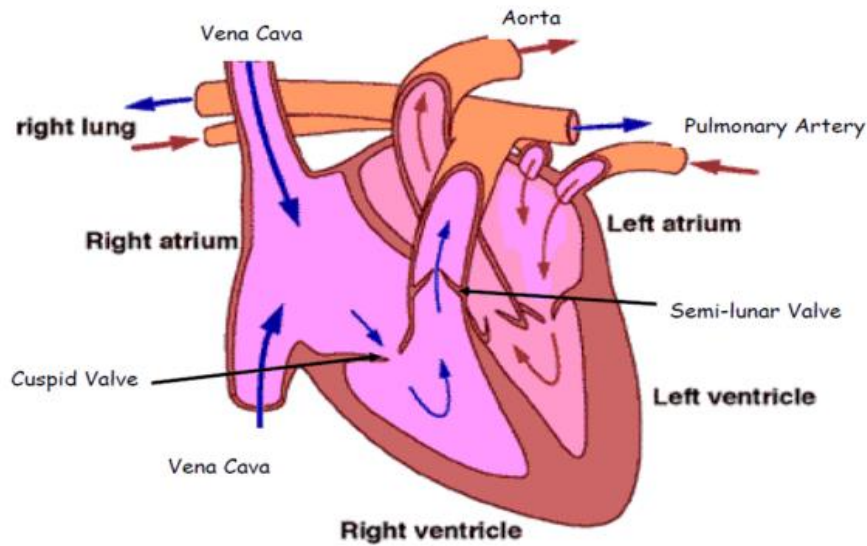
DNA fingerprinting involves the extraction and identification of the base pair pattern of an individual's DNA. The identification procedure of specific DNA sequences is carried out by Southern blotting.



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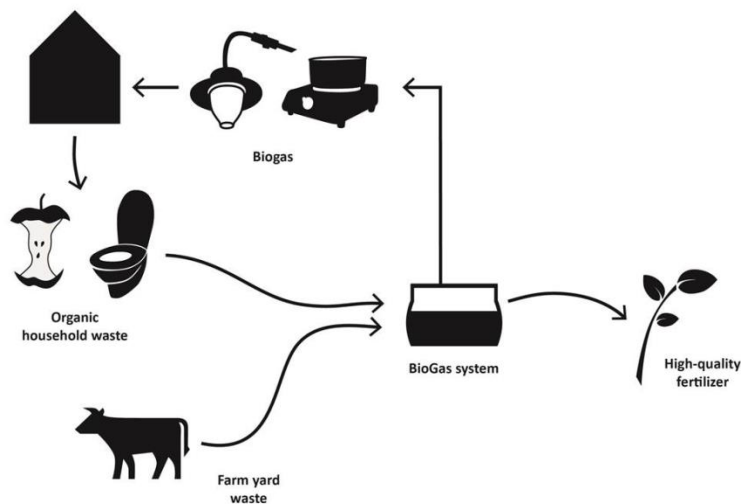
7.

The human heart has four chambers, two superior atria and two inferior ventricles. The atria are receiving chambers and ventricles are discharging chambers. Left ventricle pumps fully oxygenated blood to aorta of thence to the body. Right atrium receives deoxygenated blood from superior vena cava.



8.

Biogas is typically a gas produced by the biological breakdown of organic matter in absence of oxygen. It serves as biofuel and comprises basically of methane (50-75%), carbon dioxide (25-50%) nitrogen (0-10%), hydrogen (0-1%), hydrogen sulphide (0-3%) and oxygen (0-1%).



9.

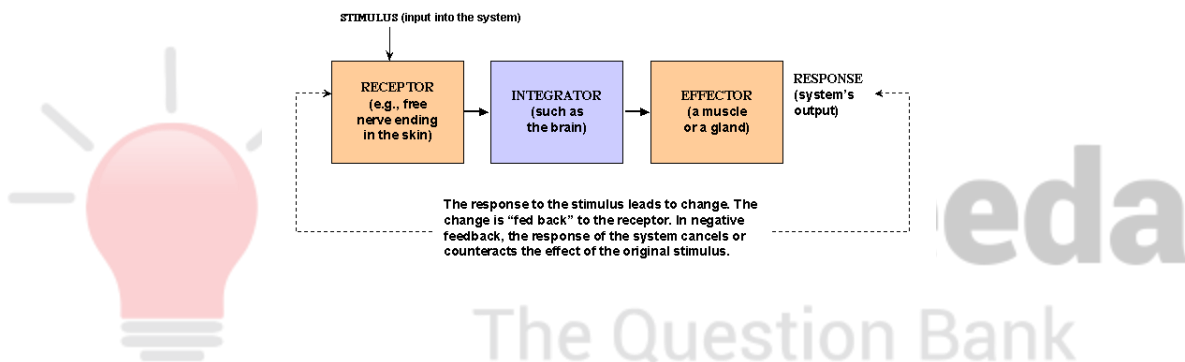
Curd forms because of the chemical reaction between lactic acid bacteria and casein.

10.

Homeostatic regulation involves sweating. It is the principal means through which the body cool.

## Homeostasis

- Stable operating conditions in the internal environment
- Three components interact





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