

Medical Knowledge Essentials

Medicine · Answer Key · 20 Questions

1. Which organ in the human body is responsible for filtering waste products from the blood to produce urine?

- A) Liver
- B) Kidney**
- C) Pancreas
- D) Gallbladder

2. What is the primary function of red blood cells?

- A) To fight infections
- B) To clot blood
- C) To transport oxygen**
- D) To produce hormones

3. Which medical discovery by Alexander Fleming revolutionized the treatment of bacterial infections?

- A) Vaccination
- B) X-rays
- C) Insulin
- D) Penicillin**

4. What is the largest organ of the human body?

- A) Liver
- B) Skin**
- C) Lungs
- D) Small Intestine

5. Which type of blood vessel carries oxygenated blood away from the heart to the rest of the body?

- A) Veins
- B) Capillaries
- C) Arteries**
- D) Venules

6. What condition is characterized by a deficiency of insulin production by the pancreas?

- A) Type 1 Diabetes**
- B) Hypertension
- C) Asthma
- D) Anemia

7. The 'pacemaker' of the heart, which regulates the heartbeat, is medically known as the:

- A) Atrioventricular node
- B) Bundle of His
- C) Sinoatrial node**
- D) Purkinje fibers

8. Which vitamin is primarily produced in the skin when it is exposed to ultraviolet light from the sun?

- A) Vitamin A
- B) Vitamin C
- C) Vitamin D**
- D) Vitamin K

9. What is the main purpose of the human endocrine system?

- A) Regulating body movement
- B) Circulating blood
- C) Producing hormones**
- D) Digesting food

10. Which structure in the human ear is responsible for maintaining balance?

- A) Cochlea
- B) Semicircular canals**
- C) Stapes
- D) Tympanic membrane

11. What is the medical term for the high blood pressure condition?

- A) Hypotension
- B) Tachycardia
- C) Hypertension**
- D) Bradycardia

12. Which blood type is considered the universal donor?

- A) A+
- B) B-
- C) AB+
- D) O-**

13. What is the primary role of the alveoli in the lungs?

- A) Filtering dust
- B) Gas exchange**
- C) Producing mucus
- D) Protecting the heart

14. Which bone is the longest and strongest in the human body?

- A) Tibia
- B) Femur**
- C) Humerus
- D) Fibula

15. What do white blood cells primarily do in the immune system?

- A) Carry oxygen
- B) Help blood clot
- C) Destroy pathogens**
- D) Store energy

16. The process by which the body breaks down food into nutrients for energy is called:

- A) Metabolism**
- B) Photosynthesis
- C) Homeostasis
- D) Excretion

17. Which specific part of the brain is primarily responsible for motor coordination and balance?

- A) Cerebrum
- B) Brainstem
- C) Cerebellum**
- D) Thalamus

18. What is a zoonotic disease?

- A) A disease that affects only plants
- B) A disease transmitted from animals to humans**
- C) A disease caused by genetic mutation
- D) A disease only found in space travel

19. Which of these is a chronic inflammatory airway disease?

- A) Asthma**
- B) Pneumonia
- C) Tuberculosis
- D) Bronchitis

20. Which of these substances is an anticoagulant used to prevent blood clots?

- A) Heparin**
- B) Insulin
- C) Adrenaline
- D) Thyroxine