

Existentialism and Biological Reality

Existentialism And Human Biology · Answer Key · 25 Questions

1. Which vital organ in the human body is primarily responsible for pumping oxygenated blood, a biological necessity for human existence?

- A) Lungs
- B) Heart**
- C) Liver
- D) Kidneys

2. What is the primary structural framework of the human body that provides support for physical existence?

- A) Muscular system
- B) Skeletal system**
- C) Nervous system
- D) Endocrine system

3. Which organ is the central control system for human consciousness and cognitive function?

- A) Stomach
- B) Brain**
- C) Pancreas
- D) Spleen

4. Human existence requires the intake of oxygen. Which organ system is primarily responsible for gas exchange?

- A) Respiratory system**
- B) Digestive system
- C) Urinary system
- D) Reproductive system

5. What substance makes up approximately 60% of an average adult human's total body weight, essential for life?

- A) Fat
- B) Protein
- C) Water**
- D) Bone

6. Which cells in the human body are responsible for carrying oxygen from the lungs to the tissues?

A) White blood cells

B) Red blood cells

C) Platelets

D) Neurons

7. What is the largest organ of the human body, providing a physical barrier between the individual and the world?

A) Liver

B) Skin

C) Lungs

D) Intestines

8. Which part of the human eye is responsible for focusing light onto the retina, allowing perception of the environment?

A) Iris

B) Lens

C) Cornea

D) Pupil

9. What is the name of the process by which human cells convert nutrients into energy to sustain life?

A) Photosynthesis

B) Respiration

C) Metabolism

D) Digestion

10. Which chemical element is the primary component of all known organic matter, including the human body?

A) Oxygen

B) Carbon

C) Nitrogen

D) Hydrogen

11. What system of the body is responsible for producing hormones that regulate human growth and development?

A) Endocrine system

B) Digestive system

C) Skeletal system

D) Integumentary system

12. Which organ is responsible for filtering waste products from the blood to maintain homeostatic balance?

A) Kidneys

B) Heart

C) Lungs

D) Brain

13. What is the primary fuel source for the human brain's cognitive activities?

A) Glucose

B) Protein

C) Fiber

D) Vitamin C

14. How many chambers are contained within the standard healthy human heart?

A) Two

B) Three

C) Four

D) Five

15. Which type of muscle is responsible for the involuntary movement of the human heart?

A) Skeletal muscle

B) Smooth muscle

C) Cardiac muscle

D) Striated muscle

16. What is the average resting heart rate for a healthy adult in beats per minute?

A) 20-40

B) 60-100

C) 120-150

D) 180-200

17. Which nutrient is essential for the structure and repair of human muscle tissue?

A) Fat

B) Protein

C) Starch

D) Sugar

18. What is the primary function of the human large intestine?

A) Absorption of nutrients

B) Absorption of water

C) Production of bile

D) Filtration of blood

19. Which gland in the human body is often referred to as the 'master gland' because it regulates other endocrine functions?

A) Thyroid

B) Pituitary

C) Adrenal

D) Pineal

20. What is the biological term for the maintenance of a stable internal environment in the human body?

A) Homeostasis

B) Evolution

C) Metabolism

D) Respiration

21. Which substance is produced by the liver and stored in the gallbladder to assist in fat digestion?

A) Insulin

B) Bile

C) Gastrin

D) Pepsin

22. Approximately how many bones are in a typical adult human skeleton?

A) 106

B) 206

C) 306

D) 406

23. What is the primary purpose of the human sense of touch, mediated by receptors in the skin?

A) Detecting movement

B) Sensing temperature and pressure

C) Processing light

D) Hearing vibrations

24. Which nerve carries visual information from the retina to the brain?

- A) Auditory nerve
- B) Optic nerve**
- C) Olfactory nerve
- D) Vagus nerve

25. What is the normal human body temperature in degrees Celsius?

- A) 30.5°C
- B) 37.0°C**
- C) 40.2°C
- D) 42.5°C