

Human Biology Quantitative Facts

Human Biology · Answer Key · 25 Questions

1. In what year did James Watson and Francis Crick publish their discovery of the double helix structure of DNA?

- A) 1951
- B) 1953**
- C) 1955
- D) 1957

2. How many pairs of cranial nerves are present in the human peripheral nervous system?

- A) 8
- B) 10
- C) 12**
- D) 14

3. What is the average pH value of human arterial blood?

- A) 6.4
- B) 7.0
- C) 7.4**
- D) 8.0

4. How many bones are found in the adult human axial skeleton?

- A) 80**
- B) 106
- C) 126
- D) 206

5. The average volume of blood in an adult human male is approximately how many litres?

- A) 3-4 litres
- B) 5-6 litres**
- C) 7-8 litres
- D) 9-10 litres

6. Which scientist is credited with discovering the ABO blood group system in 1901?

- A) Louis Pasteur
- B) Karl Landsteiner**
- C) Robert Koch
- D) Paul Ehrlich

7. How many chambers are located within the human heart?

- A) 2
- B) 3
- C) 4**
- D) 5

8. The human adult small intestine typically measures approximately how many metres in length?

- A) 3 metres
- B) 6 metres**
- C) 9 metres
- D) 12 metres

9. Approximately what percentage of the human body weight is composed of water in an average adult?

- A) 40%
- B) 60%**
- C) 75%
- D) 90%

10. In which year did the Human Genome Project officially begin?

- A) 1980
- B) 1990**
- C) 1995
- D) 2000

11. How many primary teeth (deciduous teeth) does a typical human child develop?

- A) 16
- B) 20**
- C) 24
- D) 32

12. What is the approximate number of individual nephrons found in a single healthy human kidney?

- A) 10,000
- B) 100,000
- C) 1,000,000**
- D) 10,000,000

13. How many cervical vertebrae are located in the human spinal column?

- A) 5
- B) 7**
- C) 9
- D) 12

14. The protein insulin is produced by which specific cells in the pancreas?

- A) Alpha cells
- B) Beta cells**
- C) Delta cells
- D) Gamma cells

15. What is the normal resting heart rate for a healthy adult, measured in beats per minute?

- A) 40-50
- B) 60-100**
- C) 110-130
- D) 140-160

16. How many chromosomes are typically contained in a normal human somatic cell?

- A) 23
- B) 46**
- C) 48
- D) 92

17. The human eye contains approximately how many rod cells responsible for low-light vision?

- A) 12 million
- B) 60 million
- C) 120 million**
- D) 200 million

18. What is the standard length of a human pregnancy, measured in weeks from the last menstrual period?

- A) 36 weeks
- B) 40 weeks**
- C) 42 weeks
- D) 44 weeks

19. How many muscles are responsible for the movement of the human eyeball?

- A) 4
- B) 6**
- C) 8
- D) 10

20. In 1628, which English physician published the work 'De Motu Cordis', describing the circulation of blood?

- A) William Harvey**
- B) Andreas Vesalius
- C) Galen
- D) Hippocrates

21. What is the estimated number of scent receptors in the human nose?

- A) 1 million
- B) 10 million**
- C) 50 million
- D) 100 million

22. The human liver is typically divided into how many anatomical lobes?

- A) 2
- B) 3
- C) 4**
- D) 5

23. Approximately how many breaths does a healthy adult take per minute at rest?

- A) 8-12
- B) 12-20**
- C) 22-30
- D) 32-40

24. How many pairs of ribs are found in the human ribcage?

- A) 10
- B) 12**
- C) 14
- D) 16

25. What is the approximate weight of an average adult human brain, in grams?

- A) 800g
- B) 1300g**
- C) 1800g
- D) 2300g