

# Human Biology Milestones

Human Biology · Answer Key · 25 Questions

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**1. Who is credited with first describing the circulation of blood in the human body in 1628?**

- A) William Harvey**
- B) Louis Pasteur
- C) Gregor Mendel
- D) Charles Darwin

**2. Which scientist discovered penicillin, the first true antibiotic, in 1928?**

- A) Robert Koch
- B) Alexander Fleming**
- C) Joseph Lister
- D) Edward Jenner

**3. What structure of DNA was first described by James Watson and Francis Crick in 1953?**

- A) Triple helix
- B) Single strand
- C) Double helix**
- D) Protein chain

**4. Who is known as the 'father of modern anatomy' for his detailed drawings of the human body?**

- A) Leonardo da Vinci
- B) Andreas Vesalius**
- C) Galen
- D) Hippocrates

**5. Edward Jenner is famous for creating the world's first vaccine, which targeted what disease?**

- A) Polio
- B) Smallpox**
- C) Measles
- D) Influenza

**6. Who first identified the ABO blood group system in 1900?**

- A) Karl Landsteiner**
- B) William Beaumont
- C) Ivan Pavlov
- D) Santiago Ramón y Cajal

7. In which decade was the first successful human heart transplant performed?

- A) 1940s
- B) 1950s
- C) 1960s**
- D) 1970s

8. What is the name of the woman whose cells, taken without consent in 1951, became the first immortal human cell line?

- A) Rosalind Franklin
- B) Henrietta Lacks**
- C) Barbara McClintock
- D) Marie Curie

9. Who proposed the theory of evolution by natural selection in his 1859 book 'On the Origin of Species'?

- A) Charles Darwin**
- B) Alfred Russel Wallace
- C) Thomas Huxley
- D) Jean-Baptiste Lamarck

10. Which invention allowed Robert Hooke to first observe and name 'cells' in 1665?

- A) X-ray
- B) Compound microscope**
- C) MRI scanner
- D) Stethoscope

11. What organ did William Beaumont study in the 1820s to understand the process of human digestion?

- A) Liver
- B) Stomach**
- C) Small intestine
- D) Pancreas

12. The first successful in vitro fertilization (IVF) led to the birth of Louise Brown in which year?

- A) 1968
- B) 1978**
- C) 1988
- D) 1998

**13. Who is often referred to as the 'father of medicine' for his contributions to the field in ancient Greece?**

- A) Aristotle
- B) Plato
- C) Hippocrates**
- D) Socrates

**14. What was the first human hormone to be synthesized in a laboratory?**

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

**15. Which medical tool, invented by René Laennec in 1816, is used to listen to heart and lung sounds?**

- A) Thermometer
- B) Stethoscope**
- C) Sphygmomanometer
- D) Otoscope

**16. Who discovered the existence of X-rays, allowing doctors to 'see' inside the human body without surgery?**

- A) Wilhelm Röntgen**
- B) Marie Curie
- C) Ernest Rutherford
- D) Niels Bohr

**17. What process, first successfully performed by Joseph Lister, reduced infection rates in surgery?**

- A) Antisepsis**
- B) Anesthesia
- C) Blood transfusion
- D) Organ transplant

**18. The first complete map of the human genome was announced as finished in which year?**

- A) 1993
- B) 2003**
- C) 2013
- D) 2023

**19. Who identified that germs cause disease, laying the foundation for modern microbiology?**

**A) Louis Pasteur**

B) Gregor Mendel

C) Isaac Newton

D) John Dalton

**20. In what year was the first successful human blood transfusion performed by Jean-Baptiste Denys?**

**A) 1667**

B) 1767

C) 1867

D) 1967

**21. Which vitamin was the first to be discovered, identified by Casimir Funk in 1912?**

A) Vitamin A

**B) Vitamin B1**

C) Vitamin C

D) Vitamin D

**22. Who was the first person to visualize bacteria and protozoa using a handcrafted microscope?**

**A) Antonie van Leeuwenhoek**

B) Galileo Galilei

C) Zacharias Janssen

D) Robert Hooke

**23. What did William Morton first demonstrate in 1846 to prevent pain during surgery?**

A) Local anesthesia

**B) General anesthesia**

C) Antibiotics

D) Blood clotting

**24. Who established the laws of inheritance based on his experiments with pea plants?**

**A) Gregor Mendel**

B) Charles Darwin

C) Thomas Hunt Morgan

D) Francis Crick

**25. The first successful artificial pacemaker was implanted in a human in 1958 in which country?**

A) USA

**B) Sweden**

C) UK

D) Japan