

Milestones in Life Science

Life Science · Practice Test · 20 Questions

1. Who is credited with discovering the structure of DNA in 1953?

- A) Watson and Crick
- B) Charles Darwin
- C) Louis Pasteur
- D) Gregor Mendel

2. Who is known as the father of genetics for his work with pea plants?

- A) Isaac Newton
- B) Gregor Mendel
- C) Robert Hooke
- D) Alexander Fleming

3. Which scientist is famous for proposing the theory of evolution by natural selection?

- A) Carl Linnaeus
- B) Marie Curie
- C) Charles Darwin
- D) Galileo Galilei

4. What was the first living organism to be successfully cloned from an adult cell in 1996?

- A) A mouse
- B) A sheep
- C) A dog
- D) A frog

5. Who invented the microscope, allowing scientists to see cells for the first time?

- A) Zacharias Janssen
- B) Thomas Edison
- C) Albert Einstein
- D) Nikola Tesla

6. Which scientist discovered penicillin, the first true antibiotic?

- A) Edward Jenner
- B) Louis Pasteur
- C) Alexander Fleming
- D) Joseph Lister

7. What was the first vaccine ever developed, created by Edward Jenner in 1796?

- A) Polio vaccine
- B) Smallpox vaccine
- C) Flu vaccine
- D) Measles vaccine

8. Who is considered the father of microbiology for his work with pasteurization?

- A) Louis Pasteur
- B) Robert Koch
- C) Antonie van Leeuwenhoek
- D) John Snow

9. Who coined the term 'cell' after looking at cork under a microscope?

- A) Robert Hooke
- B) James Watson
- C) Linus Pauling
- D) Francis Crick

10. Which scientist is known for developing the system of binomial nomenclature to classify living things?

- A) Charles Darwin
- B) Carl Linnaeus
- C) Gregor Mendel
- D) Rachel Carson

11. What was the name of the first human successfully vaccinated against smallpox?

- A) James Phipps
- B) Isaac Newton
- C) Edward Jenner
- D) John Smith

12. Which explorer and scientist first described 'animalcules' (bacteria) using a simple microscope?

- A) Antonie van Leeuwenhoek
- B) Charles Darwin
- C) Louis Pasteur
- D) Robert Hooke

13. In which decade was the Human Genome Project officially launched to map all human genes?

- A) 1970s
- B) 1980s
- C) 1990s
- D) 2000s

14. Who discovered the blood circulation system in the human body?

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

15. Which researcher was instrumental in discovering the structure of DNA using X-ray diffraction, though often historically overlooked?

- A) Rosalind Franklin
- B) Marie Curie
- C) Ada Lovelace
- D) Florence Nightingale

16. What major discovery did Rachel Carson popularize in her 1962 book 'Silent Spring'?

- A) Environmental damage from pesticides
- B) The structure of cells
- C) The process of photosynthesis
- D) The migration of birds

17. Who was the first person to visualize and describe sperm cells under a microscope?

- A) Antonie van Leeuwenhoek
- B) Robert Hooke
- C) Louis Pasteur
- D) Gregor Mendel

18. Which scientist is credited with developing the theory of endosymbiosis regarding mitochondria and chloroplasts?

- A) Lynn Margulis
- B) Charles Darwin
- C) Carl Linnaeus
- D) Gregor Mendel

19. What was the primary method used by Louis Pasteur to prove that germs cause disease?

- A) The swan-neck flask experiment
- B) The use of X-rays
- C) Cross-pollination
- D) Genetic sequencing

20. In 1865, what fundamental biological process did Gregor Mendel describe?

- A) Inheritance of traits
- B) Cell division
- C) Blood clotting
- D) Photosynthesis