

Landmarks in Life Science History

Life Science · Answer Key · 18 Questions

1. Who is historically credited with the discovery of penicillin in 1928?

A) Alexander Fleming

- B) Louis Pasteur
- C) Charles Darwin
- D) Gregor Mendel

2. Which scientist is known as the father of genetics for his studies on pea plants?

A) Robert Hooke

B) Gregor Mendel

- C) Carl Linnaeus
- D) James Watson

3. In 1859, who published the groundbreaking book 'On the Origin of Species'?

- A) Alfred Russel Wallace
- B) Isaac Newton

C) Charles Darwin

D) Thomas Huxley

4. What did Robert Hooke first identify in 1665 when observing cork under a microscope?

- A) DNA strands
- B) Bacteria

C) Cells

D) Mitochondria

5. Which researcher famously studied the behavior of chimpanzees in Gombe Stream National Park starting in 1960?

A) Jane Goodall

- B) Dian Fossey
- C) Rachel Carson
- D) Rosalind Franklin

6. Louis Pasteur is historically famous for developing a vaccine against which disease?

A) Polio

B) Rabies

- C) Malaria
- D) Tuberculosis

7. Who was the first person to visualize bacteria using a handcrafted microscope in the 1670s?

A) Antonie van Leeuwenhoek

- B) Galileo Galilei
- C) Benjamin Franklin
- D) Aristotle

8. Which female scientist contributed essential X-ray diffraction images that helped identify the structure of DNA?

- A) Marie Curie
- B) Barbara McClintock

C) Rosalind Franklin

- D) Ada Lovelace

9. Carolus Linnaeus is known for creating which system used to name living organisms?

- A) The periodic table

B) Taxonomy

- C) The theory of relativity
- D) Photosynthesis

10. What was the name of the first mammal successfully cloned from an adult somatic cell in 1996?

A) Dolly the sheep

- B) Snuppy the dog
- C) CC the cat
- D) Prometea the horse

11. Which scientist is remembered for his work on the 'germ theory' of disease in the 19th century?

- A) Gregor Mendel

B) Louis Pasteur

- C) Charles Darwin
- D) Edward Jenner

12. What did Edward Jenner develop in 1796 that is considered the world's first successful vaccine?

A) Smallpox vaccine

- B) Flu shot
- C) Rabies vaccine
- D) Polio vaccine

13. In what year did the Human Genome Project officially declare the completion of a high-quality human genome sequence?

A) 1990

B) 2003

C) 1985

D) 2010

14. Which Greek philosopher is often called the 'father of biology' for his extensive classification of animals?

A) Socrates

B) Plato

C) Aristotle

D) Pythagoras

15. Rachel Carson published a book in 1962 that sparked the modern environmental movement. What was it titled?

A) Silent Spring

B) The Sea Around Us

C) Darwin's Finches

D) Green Earth

16. Who discovered that DNA is the material that makes up genes by studying bacteria in 1944?

A) Oswald Avery

B) Watson and Crick

C) Linus Pauling

D) Francis Collins

17. Which Dutch scientist coined the term 'cell' in biological history?

A) Antonie van Leeuwenhoek

B) Robert Hooke

C) Jan Swammerdam

D) Christiaan Huygens

18. What process did Jan Ingenhousz discover in 1779 regarding how plants produce oxygen?

A) Evolution

B) Photosynthesis

C) Fermentation

D) Respiration