

Milestones in Life Science Discovery

Life Science · Answer Key · 12 Questions

1. Who is credited with the first successful vaccination, performed in 1796 to prevent smallpox?

- A) Louis Pasteur
- B) Edward Jenner**
- C) Robert Koch
- D) Joseph Lister

2. Which scientist is famously known for the discovery of penicillin in 1928?

- A) Alexander Fleming**
- B) Marie Curie
- C) Jonas Salk
- D) Gregor Mendel

3. What was the first animal to be successfully cloned from an adult somatic cell in 1996?

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

4. In 1665, who first coined the term 'cell' after observing thin slices of cork under a microscope?

- A) Antonie van Leeuwenhoek
- B) Robert Hooke**
- C) Theodor Schwann
- D) Rudolf Virchow

5. Who is considered the 'father of genetics' for his pioneering experiments with pea plants?

- A) Charles Darwin
- B) Thomas Hunt Morgan
- C) Gregor Mendel**
- D) Francis Crick

6. Which team of scientists published the first description of the double-helix structure of DNA in 1953?

- A) Watson and Crick**
- B) Franklin and Wilkins
- C) Hershey and Chase
- D) Meselson and Stahl

7. What is the name of the first successful human-made vaccine created for rabies?

- A) BCG vaccine
- B) DTP vaccine
- C) Pasteur's vaccine**
- D) Salk vaccine

8. Who developed the taxonomy system used to classify organisms that is the basis for modern scientific naming?

- A) Aristotle
- B) Carl Linnaeus**
- C) Jean-Baptiste Lamarck
- D) Ernst Haeckel

9. Which researcher discovered the process of bacterial transformation, proving that DNA carries genetic information?

- A) Oswald Avery
- B) Frederick Griffith**
- C) Alfred Hershey
- D) Martha Chase

10. What was the first organism to have its complete genome sequenced in 1995?

- A) Haemophilus influenzae**
- B) Escherichia coli
- C) Saccharomyces cerevisiae
- D) Caenorhabditis elegans

11. Who first identified the circulation of blood in the human body in the 17th century?

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

12. In 1952, which experiment provided strong evidence that DNA is the hereditary material using bacteriophages?

- A) Miller-Urey experiment
- B) Meselson-Stahl experiment
- C) Hershey-Chase experiment**
- D) Griffith's experiment