

Pioneers of Biological Discovery

History Of Biology · Answer Key · 8 Questions

1. Who is credited with first observing and naming 'cells' using a microscope in 1665?

- A) Robert Hooke**
- B) Charles Darwin
- C) Gregor Mendel
- D) Louis Pasteur

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

- A) Alexander Fleming
- B) Carl Linnaeus**
- C) James Watson
- D) Rosalind Franklin

3. Who discovered the structure of DNA using X-ray diffraction images?

- A) Francis Crick
- B) James Watson
- C) Rosalind Franklin**
- D) Maurice Wilkins

4. Which scientist is considered the father of genetics for his experiments with pea plants?

- A) Thomas Hunt Morgan
- B) Gregor Mendel**
- C) Theodosius Dobzhansky
- D) Alfred Hershey

5. Who was the first person to observe bacteria and protozoa, calling them 'animalcules'?

- A) Antonie van Leeuwenhoek**
- B) Robert Koch
- C) Edward Jenner
- D) Joseph Lister

6. Which medical breakthrough did Edward Jenner achieve in 1796?

- A) The discovery of penicillin
- B) The creation of the first vaccine**
- C) The identification of DNA
- D) The invention of the stethoscope

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

- A) Jean-Baptiste Lamarck
- B) Alfred Russel Wallace
- C) Charles Darwin**
- D) Ernst Mayr

8. What substance did Alexander Fleming discover in 1928, marking the beginning of the antibiotic era?

- A) Insulin
- B) Penicillin**
- C) Smallpox vaccine
- D) Polio vaccine