

Pioneers of Discovery and Invention

History Of Science · Practice Test · 18 Questions

1. Who was the first person to observe microorganisms, such as bacteria and protozoa, using a single-lens microscope of his own design?

- A) Robert Hooke
- B) Antonie van Leeuwenhoek
- C) Louis Pasteur
- D) Joseph Lister

2. Which scientist is credited with the discovery of the neutron in 1932?

- A) Ernest Rutherford
- B) Enrico Fermi
- C) James Chadwick
- D) Niels Bohr

3. In 1796, which English physician performed the first successful vaccination against smallpox?

- A) Edward Jenner
- B) Joseph Priestley
- C) William Harvey
- D) Alexander Fleming

4. Who is recognized for the discovery of the first antibiotic, penicillin, in 1928?

- A) Howard Florey
- B) Ernst Chain
- C) Alexander Fleming
- D) Selman Waksman

5. Which element was the first to be discovered using a spectroscope, identified by Robert Bunsen and Gustav Kirchhoff in 1860?

- A) Helium
- B) Cesium
- C) Neon
- D) Argon

6. Who constructed the first artificial nuclear reactor, the Chicago Pile-1, in 1942?

- A) J. Robert Oppenheimer
- B) Leo Szilard
- C) Enrico Fermi
- D) Arthur Compton

7. The first successful synthesis of an organic compound from inorganic precursors, specifically urea, was achieved by whom in 1828?

- A) Friedrich Wöhler
- B) Justus von Liebig
- C) August Kekulé
- D) Dmitri Mendeleev

8. Who was the first woman to be awarded a Nobel Prize, receiving the honor in 1903 for her research on radioactivity?

- A) Lise Meitner
- B) Rosalind Franklin
- C) Marie Curie
- D) Irène Joliot-Curie

9. Which 17th-century scientist was the first to publish a detailed account of the cellular structure of cork, coining the term 'cell'?

- A) Marcello Malpighi
- B) Robert Hooke
- C) Nehemiah Grew
- D) Antonie van Leeuwenhoek

10. Who is credited with the invention of the mercury thermometer in 1714?

- A) Anders Celsius
- B) Gabriel Fahrenheit
- C) Lord Kelvin
- D) René Réaumur

11. The first photograph was taken in 1826 or 1827 by which French inventor?

- A) Louis Daguerre
- B) Joseph Nicéphore Niépce
- C) William Henry Fox Talbot
- D) George Eastman

12. Who identified the planet Uranus in 1781, marking the first discovery of a planet using a telescope?

- A) William Herschel
- B) Giovanni Cassini
- C) Edmond Halley
- D) Urbain Le Verrier

13. In 1902, which scientist was the first to successfully demonstrate the existence of the stratosphere?

- A) Léon Teisserenc de Bort
- B) Richard Assmann
- C) Gustave Hermite
- D) Auguste Piccard

14. Which physician first demonstrated the circulation of blood in the human body in his 1628 work 'Exercitatio Anatomica de Motu Cordis et Sanguinis in Animalibus'?

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

15. Who developed the first practical incandescent light bulb with a carbon filament in 1879?

- A) Joseph Swan
- B) Thomas Edison
- C) Nikola Tesla
- D) Hiram Maxim

16. The first successful isolation of an enzyme in crystalline form was achieved in 1926 by whom, proving that enzymes are proteins?

- A) John Northrop
- B) James B. Sumner
- C) Wendell Stanley
- D) Arthur Harden

17. Who discovered the phenomenon of X-rays in 1895 while experimenting with cathode rays?

- A) Henri Becquerel
- B) Wilhelm Röntgen
- C) J.J. Thomson
- D) Ernest Lawrence

18. Who was the first person to synthesize vitamin C (ascorbic acid) in a laboratory setting in 1933?

- A) Linus Pauling
- B) Tadeus Reichstein
- C) Albert Szent-Györgyi
- D) Walter Norman Haworth