

Physics Firsts and Discoveries

Physics · Answer Key · 8 Questions

1. Who is credited with the first accurate calculation of the speed of light through experiments with rotating toothed wheels?

- A) Isaac Newton
- B) Galileo Galilei
- C) Ole Rømer**
- D) Albert Einstein

2. What fundamental force did Sir Isaac Newton describe in his Law of Universal Gravitation?

- A) Electromagnetism
- B) Strong Nuclear Force
- C) Weak Nuclear Force
- D) Gravity**

3. Which scientist is famous for discovering the electron in 1897, revolutionizing our understanding of the atom?

- A) Ernest Rutherford
- B) J.J. Thomson**
- C) Niels Bohr
- D) Marie Curie

4. What type of electromagnetic radiation was first discovered by Wilhelm Conrad Röntgen in 1895?

- A) Gamma Rays
- B) Ultraviolet Rays
- C) X-rays**
- D) Infrared Rays

5. Who developed the theory of relativity, fundamentally changing our understanding of space, time, gravity, and the universe?

- A) Max Planck
- B) Albert Einstein**
- C) Werner Heisenberg
- D) Erwin Schrödinger

6. What invention by Guglielmo Marconi in the early 1900s revolutionized long-distance communication?

- A) The Telegraph
- B) The Telephone
- C) Radio**
- D) The Television

7. Which physicist is considered the father of quantum mechanics for his work on quantized energy?

- A) Max Planck**
- B) Niels Bohr
- C) Erwin Schrödinger
- D) Richard Feynman

8. What fundamental particle was discovered by James Chadwick in 1932, completing the basic structure of the atomic nucleus?

- A) Proton
- B) Electron
- C) Neutron**
- D) Quark