

Foundational Science Facts

Basic Science · Answer Key · 10 Questions

1. What year did Isaac Newton publish 'Principia Mathematica', laying the groundwork for classical mechanics?

- A) 1666
- B) 1705
- C) 1687**
- D) 1750

2. The discovery of penicillin by Alexander Fleming is widely credited to have occurred in what year?

- A) 1901
- B) 1928**
- C) 1914
- D) 1935

3. How many main gases make up approximately 99% of Earth's atmosphere?

- A) 2**
- B) 3
- C) 4
- D) 5

4. The atomic number of oxygen, representing the number of protons in its nucleus, is:

- A) 6
- B) 8**
- C) 10
- D) 12

5. What is the approximate number of bones in an adult human body?

- A) 150
- B) 206**
- C) 250
- D) 300

6. Marie Curie, a pioneer in radioactivity research, was born in which year?

- A) 1857
- B) 1867**
- C) 1877
- D) 1887

7. The speed of light in a vacuum is approximately how many meters per second?

- A) 300,000
- B) 3,000,000
- C) 300,000,000**
- D) 3,000,000,000

8. Albert Einstein published his theory of special relativity in what year?

- A) 1900
- B) 1905**
- C) 1910
- D) 1915

9. Water (H₂O) has a molecular weight of approximately how many atomic mass units (amu)?

- A) 10
- B) 12
- C) 16
- D) 18**

10. Galileo Galilei made significant astronomical observations using a telescope, and he was born in the year:

- A) 1464
- B) 1564**
- C) 1664
- D) 1764