

Physical Science Facts

Physical Science · Answer Key · 15 Questions

1. In what year did Albert Einstein publish his paper on the mass-energy equivalence formula, $E=mc^2$?

- A) 1905**
- B) 1912
- C) 1920
- D) 1935

2. How many states of matter are traditionally taught as the most common in introductory science?

- A) 2
- B) 4**
- C) 6
- D) 8

3. What is the atomic number of the element Hydrogen?

- A) 0
- B) 1**
- C) 2
- D) 3

4. Approximately how many degrees Celsius is the freezing point of pure water at sea level?

- A) -10
- B) 0**
- C) 10
- D) 32

5. Who is credited with discovering the electron in 1897?

- A) Isaac Newton
- B) J.J. Thomson**
- C) Marie Curie
- D) Niels Bohr

6. How many planets in our solar system have been officially recognized since the 2006 reclassification?

- A) 7
- B) 8**
- C) 9
- D) 10

7. What is the approximate speed of light in a vacuum in meters per second?

- A) 300,000
- B) 3,000,000
- C) 30,000,000
- D) 300,000,000**

8. In which century did Isaac Newton publish his 'Philosophiae Naturalis Principia Mathematica'?

- A) 15th
- B) 16th
- C) 17th**
- D) 18th

9. What is the approximate pH value of pure water at 25 degrees Celsius?

- A) 5
- B) 7**
- C) 9
- D) 11

10. How many laws of motion did Isaac Newton define in his 1687 publication?

- A) 1
- B) 2
- C) 3**
- D) 4

11. What is the chemical symbol for the element Gold?

- A) Gd
- B) Au**
- C) Ag
- D) Go

12. Which planet is located third from the Sun?

- A) Venus
- B) Mars
- C) Earth**
- D) Mercury

13. How many elements were in the first version of the Periodic Table published by Dmitri Mendeleev in 1869?

A) 63

B) 82

C) 104

D) 118

14. At what temperature in degrees Celsius does water typically boil at sea level?

A) 50

B) 75

C) 100

D) 150

15. How many colors are traditionally identified in the visible light spectrum?

A) 3

B) 5

C) 7

D) 9