

Scientific Trivia Facts

Science · Practice Test · 25 Questions

1. Which chemical element has the highest thermal conductivity of any known substance?

- A) Silver
- B) Diamond
- C) Copper
- D) Gold

2. What is the term for the process by which plants convert light energy into chemical energy?

- A) Respiration
- B) Transpiration
- C) Photosynthesis
- D) Fermentation

3. Which planet in our solar system has the most extensive ring system?

- A) Jupiter
- B) Saturn
- C) Uranus
- D) Neptune

4. What is the most abundant gas in Earth's atmosphere?

- A) Oxygen
- B) Carbon Dioxide
- C) Argon
- D) Nitrogen

5. Which subatomic particle carries a negative electric charge?

- A) Proton
- B) Neutron
- C) Electron
- D) Positron

6. What is the hardest natural material on the Mohs scale of mineral hardness?

- A) Quartz
- B) Topaz
- C) Corundum
- D) Diamond

7. Which organ in the human body is responsible for detoxifying chemicals and metabolizing drugs?

- A) Liver
- B) Kidney
- C) Pancreas
- D) Spleen

8. What is the primary gas that makes up the atmosphere of Mars?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide
- D) Methane

9. Which unit of measurement is defined as the force required to accelerate a mass of one kilogram at a rate of one meter per second squared?

- A) Joule
- B) Watt
- C) Newton
- D) Pascal

10. What type of rock is formed from the cooling and solidification of molten magma or lava?

- A) Sedimentary
- B) Metamorphic
- C) Igneous
- D) Conglomerate

11. Which vitamin is synthesized by the human body upon exposure to sunlight?

- A) Vitamin A
- B) Vitamin C
- C) Vitamin D
- D) Vitamin K

12. What is the study of fungi called?

- A) Botany
- B) Mycology
- C) Zoology
- D) Entomology

13. Which part of the cell is known as the powerhouse because it generates most of the cell's supply of adenosine triphosphate (ATP)?

- A) Nucleus
- B) Ribosome
- C) Mitochondrion
- D) Lysosome

14. What is the boiling point of water at sea level on the Celsius scale?

- A) 50°C
- B) 80°C
- C) 90°C
- D) 100°C

15. Which planet is known as the 'Red Planet'?

- A) Venus
- B) Jupiter
- C) Mars
- D) Saturn

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

- A) Gd
- B) Au
- C) Ag
- D) Fe

17. Which scale is used to measure the intensity of earthquakes?

- A) Beaufort scale
- B) Richter scale
- C) Saffir-Simpson scale
- D) Fujita scale

18. What is the process by which a gas changes into a liquid?

- A) Evaporation
- B) Sublimation
- C) Condensation
- D) Deposition

19. Which galaxy is the closest large spiral galaxy to the Milky Way?

- A) Triangulum
- B) Andromeda
- C) Whirlpool
- D) Sombrero

20. What is the name of the phenomenon where light bends when passing from one medium to another?

- A) Reflection
- B) Diffraction
- C) Refraction
- D) Polarization

21. Which blood type is known as the universal donor?

- A) A+
- B) B+
- C) AB-
- D) O-

22. What is the largest species of shark currently in existence?

- A) Great White Shark
- B) Whale Shark
- C) Tiger Shark
- D) Hammerhead Shark

23. Which gas do plants primarily absorb from the atmosphere for photosynthesis?

- A) Oxygen
- B) Nitrogen
- C) Carbon Dioxide
- D) Hydrogen

24. What is the speed of light in a vacuum, approximately?

- A) 300,000 km/s
- B) 150,000 km/s
- C) 450,000 km/s
- D) 600,000 km/s

25. Which group of vertebrates are characterized by having feathers?

- A) Mammals
- B) Reptiles
- C) Amphibians
- D) Birds