

Quiz on Space and Astronomy

In this section, you will find some quiz questions on space and astronomy. Read each question carefully and select the right answer from the options. Don't worry if you're unsure—this is all about learning and having fun! Once you are done with the questions, use the Answer Key at the end to find out how much you really know about outer space.

1. Which of the following planets do not have a natural satellite?

A) Mercury and Venus
B) Mercury and Neptune
C) Uranus and Venus

2. What is the name of the outermost region of the Sun's atmosphere?

A) Chromosphere
B) Core
C) Corona

3. Name the first artificial satellite launched by the Soviet Union.

A) Sputnik II
B) Sputnik I
C) Pandora I

4. Identify the first satellite to operate in geostationary orbit.

A) Syncom 2
B) Skylab
C) Sputnik 1

5. Which of the following is the farthest from the sun?

A) 90377 Sedna
B) Saturn
C) Kuiper belt

6. Can you name the scientific term used for the twinkling of stars?

A) Refraction

B) Scintillation

C) Parallax

7. Which was the first spacecraft to have a hard landing on another celestial object?

A) Luna 0

B) Luna 1

C) Luna 2

8. What are the doughnut-shaped regions of intensely charged particles confined at high altitudes within Earth's magnetic field called?

A) Van Allen radiation belt

B) Magnetosphere

C) Magnetopause

9. What is the approximate distance in miles or kilometers that light travels in one year?

A) 5.9 million (9.5 million km)

B) 5.9 trillion (9.5 trillion km)

C) 5.9 billion (9.5 billion km)

10. What makes a planet a dwarf planet?

A) Distance from the Sun

B) Color and properties

C) Size and shape

11. When did the International Astronomical Union adopt the dwarf planet category?

A) 2004

B) 2005

C) 2006

12. Who was the first female commander of the International Space Station (ISS)?

A) Peggy Whitson

B) Christina Koch

C) Valentina Tereshkova

13. Which type of star is the Sun classified?

A) A-type star

B) G2 V star

C) F-type star

14. What is the term attributed to a group of old stars packed in a symmetrical form?

A) Open cluster

B) Globular cluster

C) Galactic cluster

15. The amount of light emitted by an object in a unit of time is known as:

A) Thermal radiation

B) Black body radiation

C) Luminosity

16. Which planet in our solar system has the most moons?

A) Jupiter

B) Saturn

C) Neptune

17. What is the largest volcano in the solar system?

A) Olympus Mons

B) Mount Everest

C) Mauna Kea

18. Name the telescope launched in 2021 to study the early universe.

A) James Webb Space Telescope

B) Spitzer Space Telescope

C) Hubble Space Telescope

19. What is the name of the boundary surrounding a black hole beyond which nothing can escape?

A) Accretion Disk

B) Singularity

C) Event Horizon

20. Which planet rotates on its side, making it unique in our solar system?

A) Venus

B) Uranus

C) Neptune

21. What is the term for a star that suddenly increases in brightness due to a massive explosion?

A) Pulsar

B) Supernova

C) Nebula

22. Which was the first space probe to fly past Pluto?

A) Voyager 1

B) New Horizons

C) Pioneer 10

23. What is the densest planet in our solar system?

A) Earth

B) Mars

C) Jupiter

24. What is the name of the first American astronaut to walk on the Moon?

A) Buzz Aldrin

B) Yuri Gagarin

C) Neil Armstrong

25. Which planet has the shortest day in the solar system, completing a rotation in about 10 hours?

A) Saturn

B) Neptune

C) Jupiter

Answer Key

1. A	6. B	11. C	16. B	21. B
2. C	7. C	12. A	17. A	22. B
3. B	8. A	13. B	18. A	23. A
4. A	9. B	14. B	19. C	24. C
5. A	10. C	15. C	20. B	25. C