

ASTRO™ QUIZ 2022

Duration: 30 minutes

Please answer your questions on this question paper. Each question is followed by possible answers marked A, B, C and D **or** just A and B. Only one answer is correct. Choose the most correct answer and **circle** it clearly.

- Each year the Earth moves once around**
 - the Sun
 - Venus
 - the Moon
 - Mars
- Lunar and solar eclipses refer to events involving 3 celestial bodies. These bodies are the:**
 - Sun, Moon and Jupiter
 - Moon, Venus and Earth
 - Earth, Sun and Mars
 - Sun, Earth and Moon
- Around which planet does Ganymede revolve?**
 - Earth
 - Uranus
 - Jupiter
 - Mercury
- Stars and planets are born from:**
 - Other stars
 - Cloud of gas
 - Cloud of gas and dust
 - Rocks
- The Sun is a huge ball of very hot gas in space, which radiates heat and light in one direction.**
 - True
 - False
- How many planets have rings around them?**
 - Three
 - Six
 - Four
 - All
- Dark spots on the surface of the Sun have lower temperatures than the rest of the Sun's surface.**
 - False
 - True
- The area that separates inner planets from the outer ones is referred to as the**
 - Asteroid belt
 - Oort belt
 - Kuiper belt
 - Terrestrial belt
- The direction and angle of the tilt of the Earth...**
 - always change in accordance to the season.
 - change as the day and night come.
 - change in accordance to the weather.
 - do not change.
- The two main gases found in the Sun are ____**
 - Oxygen & Nitrogen
 - Hydrogen & Oxygen
 - Hydrogen & Lithium
 - Hydrogen & Helium
- Which one of the following statements is true?**
 - White stars are hotter than blue stars.
 - Blue stars are hotter than white stars
- Which of the following planets in our Solar System has the least number of natural satellites?**
 - Uranus
 - Saturn
 - Earth
 - Jupiter
- The scientific name for a shooting star is**
 - Meteoroid
 - Meteor
 - Comet
 - Satellite
- Which planet rotates in the opposite direction to the other three?**
 - Venus
 - Neptune
 - Saturn
 - Mercury

15. **The imaginary line that divides the world into southern and northern hemispheres is the**
 A. Equator
 B. Tropic of Capricorn
 C. Prime Meridian
 D. Tropic of Cancer
16. **Why is Venus the hottest planet?**
 A. It is the closest planet to the Sun
 B. It suffers from a greenhouse effect
 C. It has many volcanoes
 D. It is being pulled by the Sun
17. **Which is the largest rocky planet in the solar system?**
 A. Saturn
 B. Venus
 C. Jupiter
 D. Earth
18. **The concept “habitable zone” of a star refers to:**
 A. The area around a star where human beings are found
 B. The area around a star where the temperature does not change
 C. The area around a star where there is a possibility of finding liquid water
 D. The area around a star where other small stars can be found
19. **Who discovered four moons of Jupiter?**
 A. Isaac Newton
 B. William Herschel
 C. Galileo Galilei
 D. John Herschel
20. **Which is the brightest star in the night sky?**
 A. Sirius
 B. Aldebaran
 C. Betelgeuse
 D. The Sun
21. **Which planet is approximately 30 times farther from the Sun than Earth is?**
 A. Jupiter
 B. Neptune
 C. Uranus
 D. Saturn
22. **You can see a full Moon at noon.**
 A. False
 B. True
23. **Which moon of Saturn resembles the Earth immediately after it was born?**
 A. Mimas
 B. Tethys
 C. Titan
 D. Lapetus
24. **The Moon has an atmosphere in which astronauts can breathe.**
 A. True
 B. False
25. **Which planet has the shortest day?**
 A. Mercury
 B. Jupiter
 C. Earth
 D. Uranus
26. **From where does the Sun get its energy?**
 A. By reflecting light received from the planets
 B. Burning coal
 C. By shrinking
 D. Fusion of hydrogen into helium
27. **Where is the South African Large Telescope located? Near**
 A. Carnarvon
 B. Cape Town
 C. Sutherland
 D. Upington
28. **Which was South Africa’s first satellite?**
 A. SumbandilaSat
 B. ZACube-1
 C. Explorer
 D. SUNSAT
29. **What is a supernova?**
 A. An exploding star
 B. A collision of two planets
 C. A collision of two neutron stars
 D. A massive solar flare
30. **Which is the largest Moon in the solar system?**
 A. Titan
 B. Europa
 C. Ganymede
 D. Our Moon

Thank you for participating.