

ASTRO™ QUIZ 2023

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.

1. **The Square Kilometre Array Telescope is based at**
 - A. The South African Astronomical Observatory in Cape Town
 - B. The Boyden Observatory in Bloemfontein
 - C. Sutherland
 - D. Carnarvon
2. **The Earth rotates on its axis once each...**
 - A. Day
 - B. Month
 - C. Week
 - D. Year
3. **The Sun appears to rise in the _____ and set in the _____.**
 - A. East, West
 - B. North, South
 - C. West, East
 - D. South, North
4. **The reason the town, Sutherland, was chosen for telescope observation is:**
 - A. The skies are unpolluted
 - B. There is enough space for the telescopes
 - C. There is no rain
 - D. There are lots of rocks
5. **The study of the solar system is called ...**
 - A. cosmology
 - B. astrology
 - C. planetology
 - D. astronomy
6. **What is the term used to describe a group of stars that form a recognizable pattern?**
 - A. Asterism
 - B. Nebula
 - C. Galaxy
 - D. Constellation
7. **Uranus is tilted at an angle of 23.5° whereas earth is tilted at an angle of 90°, which means that Earth lies on its side.**
 - A. True
 - B. False
8. **South Africa's Space Agency is known as:**
 - A. SASE – South African Space Agency
 - B. SANSA - South African National Space Agency
 - C. SASE - South African Space Exploration
 - D. SASS - South African Space Satellites
9. **South Africa won the major part of a bid to host the Square Kilometre Array (SKA). Which other country will be hosting the rest of the SKA project?**
 - A. America
 - B. Austria
 - C. Africa
 - D. Australia
10. **Mons Olympus, a mountain on Mars, is higher than Table Mountain.**
 - A. True
 - B. False
11. **What is the name of the brightest star in the night sky?**
 - A. Sirius
 - B. Vega
 - C. Polaris
 - D. Betelgeuse
12. **What is the name of the region of space between Mars and Jupiter where many asteroids are found?**
 - A. Oort Cloud
 - B. Kuiper Belt
 - C. Asteroid Belt
 - D. Trans-Neptunian Region
13. **Neptune has a large storm raging on its surface. It is called the**
 - A. Great Red Spot
 - B. Great Dark Spot
14. **A lunar eclipse occurs when the Earth passes between the Sun and the Moon, blocking the Sun's light and causing the Moon to appear red.**
 - A. True
 - B. False

15. **What is the name of the phenomenon by which a full moon appears slightly larger and brighter than usual?**
 A. Super moon
 B. Blue moon
 C. Blood moon
 D. Harvest moon
16. **The Big Bang theory is the scientific explanation for the origin of the universe.**
 A. True B. False
17. **What is the name of the zone where exoplanets can be found on which life could possibly develop?**
 A. Kuiper belt zone
 B. Goldilocks zone
 C. Shooting star zone
 D. Planetoid zone
18. **Which of the following statements about the Milky Way galaxy is false?**
 A. The Milky Way galaxy is a spiral galaxy.
 B. The Milky Way galaxy contains our solar system.
 C. The Milky Way galaxy is the largest galaxy in the universe.
19. **The Sun orbits the earth. That is why we see the sunrise in the east and sunset in the west.**
 A. True B. False
20. **Which of the following two planets are made of mainly rock and metal?**
 A. Venus and Mars
 B. Saturn and Mars
 C. Mercury and Uranus
 D. Neptune and Earth
21. **Dr Shamilla Goedhart from the SKA project, is known for/as**
 A. An expert on the formation of high-mass stars
 B. Studying galaxies
 C. A cosmologist
 D. Astronomical photography
22. **The Milky Way is a/an**
 A. dwarf planet
 B. galaxy
 C. orbit
 D. interplanetary dust particle
23. **Planets are named after.....**
 A. Greek gods
 B. Roman gods
 C. Both Greek and Roman gods
 D. None of the above
24. **The Sun's diameter is more thantimes larger than the Earth's diameter.**
 A. 10 B. 50
 C. 100 D. 67
25. **A solar wind is made up of protons and gas.**
 A. True B. False
26. **What does the word "Geodesy" mean?**
 A. It is the science of measuring the Moon's geometric shape, it's orientation in space and its gravity field.
 B. It is the science of measuring the Earth's geometric shape, it's orientation in space and its gravity field.
 C. It measures the speed of satellites
 D. It measures the size of meteorites
27. **If you were living on Jupiter, you would be using the same calendar that we use on earth.**
 A. Yes
 B. Maybe
 C. No
 D. Sometimes
28. **Uranus has many moons. Two were named after characters in Shakespearean plays. Which two?**
 A. Deimo and Titan
 B. Callisto and Ganymede
 C. Titania and Oberon
 D. None of the above
29. **Which of the planets listed below is the smallest?**
 A. Mars
 B. Mercury
 C. Venus
 D. Neptune
30. **Earth hassatellites.**
 A. 24
 B. 2
 C. 63
 D. 1

Thank you for participating.