

WELCOME to the SAASTA AstroQuiz 2016 ROUND 3



QUESTION 1

What is the most abundant gas found on Venus' atmosphere?

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



QUESTION 2

The most abundant gas found on Earth's atmosphere is _____

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



QUESTION 3

What is the largest known star so far?

- A. Betelgeuse
- B. UY Scuti
- C. VY Canis majoris
- D. Sun



QUESTION 4

Which of the below has a large storm on its surface and one of its moons orbiting the planet backwards?

- A. Venus
- B. Mercury
- C. Neptune
- D. Uranus



QUESTION 5

Which of the following is a gas planet and has at least 27 moons.

- A. Venus
- B. Mercury
- C. Neptune
- D. Uranus



QUESTION 6

Which of the following is an inner planet and has clouds of sulphuric acid.

- A. Venus
- B. Mercury
- C. Neptune
- D. Uranus



QUESTION 7

Which of the following is an inner planet and is usually referred to as morning or evening star?

- A. Venus
- B. Mercury
- C. Neptune
- D. Uranus



QUESTION 8

Which of the following is true about the Moon?

- A. It can be seen at night
- B. It can be seen during the day
- C. Sometimes we cannot see it at all
- D. All of the above



QUESTION 9

The Moon does not have light of its own but ____ light from the Sun.

- A. Reflects
- B. Refracts
- C. Deflects
- D. Diffracts



QUESTION 10

A meteorite is _____

- A. Usually referred to as a "shooting star"
- B. Small particles thrown out by comets
- C. Rocks from space that strike the Earth
- D. Lumps of ice



QUESTION 11

Which of the following objects is made up of lumps of ice & rock and can take years to go around the Sun.

- A. Meteorite
- B. Comet
- C. Meteoroid
- D. Asteroid



QUESTION 12

Optical radiation is best known as ____

- A. Invisible light
- B. Visible light
- C. Dark energy
- D. Dark matter



QUESTION 13

When ____ nears the Sun, the ice melts and gives off gas jets and clouds of dust.

- A. Asteroid
- B. Meteoroid
- C. Comet
- D. Meteorite



QUESTION 14

When a meteoroid enters the Earth's atmosphere, it ____

- A. Travels at a very fast rate, heats up and burns brightly
- B. Travels at a very fast rate, cools down and burns brightly
- C. Slows down its speed, heats up and burns brightly
- D. Slows down its speed, cools down and burns brightly



QUESTION 15

One of the following objects is the smallest, densest of stars that would weigh about one million tons.

- A. White dwarf
- B. Supernova
- C. Neutron star
- D. Massive star



QUESTION 16

Sunspots are ____

- A. Whiter spots on the Sun produced by magnetic fields
- B. Cooler areas on the Sun produced by magnetic fields
- C. Dark spots on the Sun caused by collision with other celestial bodies
- D. Clouds around the Sun



QUESTION 17

Light ____ a blackhole.

- A. Goes straight through
- B. Is reflected from
- C. Cannot escape from
- D. Is refracted from



QUESTION 18

The largest optical telescope in Southern Africa is _____

- A. Hubble Space Telescope
- B. Innes telescope
- C. **SALT**
- D. HESS



QUESTION 19

What word is used to describe the shape of the moon's orbit around the Earth?

- A. **Ellipse**
- B. Eclipse
- C. Waxing
- D. Waning



QUESTION 20

Constellations are _____

- A. **patterns of stars in the sky**
- B. clusters of stars very near each other in space
- C. groupings of planets in the sky
- D. close associations of stars and visible planets



QUESTION 21

About how long does it take light from the second closest star to Earth after the Sun to reach the Earth?

- A. 8 minutes
- B. 8 seconds
- C. No time at all
- D. **4 years**



QUESTION 22

In which direction is the observed daily motion of the stars?

- A. Always eastward.
- B. **Always westward.**
- C. This varies with the seasons.
- D. It depends on which hemisphere you are in.



QUESTION 23

Which planet is called the red planet?

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



QUESTION 24

The reason why this planet in Question 23 above is called as thus is because _____

- A. It has been named after the Roman god of war
- B. It is covered with iron oxide dust
- C. It has a mixture of mud & water which gives it the red appearance
- D. of the reflection of light from the Sun



QUESTION 25

Which celestial body has been selected for possible exploration as it has features that resemble that of the Earth?

- A. Neptune
- B. Pluto
- C. Mars
- D. Uranus



QUESTION 26

The theory that explains how the universe began is called _____

- A. The Blackhole Theory
- B. The Big Ben Theory
- C. Theory of relativity
- D. The Big Bang Theory



QUESTION 27

Light travels at a speed of _____

- A. 300 000 m/s
- B. 300 000 km/s
- C. 30 000 km/s
- D. 30 000 m/s



QUESTION 28

Which telescope was part of the NASA's deep space network of telescopes for supporting interplanetary & lunar missions?

- A. Hartebeeshoek Radio Astronomy Observatory
- B. South African Astronomical Observatory
- C. Square Kilometre Array Telescope
- D. Karoo Array Telescope



QUESTION 29

Which planet in our Solar system has the most gravitational pull?

- A. Saturn
- B. Pluto
- C. Earth
- D. Jupiter



QUESTION 30

Some comets take thousands of years to go around the Sun.

- A. True
- B. False

THANK YOU FOR PARTICIPATING