

# WELCOME to the SAASTA AstroQuiz 2016 ROUND 3



## QUESTION 1

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

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



## QUESTION 2

The most abundant gas found in Earth's atmosphere is \_\_\_\_\_

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



## QUESTION 3

Which of the following stars is the largest?

- A. Betelgeuse
- B. Proxima Centauri
- 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**

Meteorites are \_\_\_\_\_

- 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 a(n) \_\_\_\_ 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 star shrinks due to lack of fuel, it will shrink into a \_\_\_\_\_ star.

- A. Dwarf
- B. Supernova
- C. Neon
- D. Blue

**QUESTION 15**

Which of the following objects is the smallest, densest of stars for which a teaspoon of material would contain a billion 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 black hole.

- 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 the \_\_\_\_\_

- 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

**QUESTION 23**

Which planet is called the red planet?

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



**QUESTION 24**

The planet in Question 23 has a red colour 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 Black hole 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 NASA's deep space network of telescopes for supporting interplanetary & lunar missions?

- A. Hartebeesthoek 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 strongest 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**