

BAS 2019 Astro Quiz

First 25 questions

1 point for right answer

0 for a wrong answer



Q 1: How many constellations are officially recognized?

1. 72
2. 77
3. 86
4. 88
5. 98



Q 2: What term do astronomers use to describe the two times a year when day and night are of equal length?

1. Zenith
2. Solstice
3. Equinox
4. Perigee
5. Nadir



Q 3: What term describes the effect where some stars appear to move as the Earth orbits the Sun?

1. Parallax
2. Scintillation
3. Nutation
4. Proper motion
5. Lunation



Q 4: Which planet has the largest moon in the solar system?

1. Earth
2. Mars
3. Jupiter
4. Saturn
5. Neptune



Q 5: Who proved solar system planet orbits are elliptical rather than circular?

1. Claudius Ptolemy
2. Tycho Brahe
3. Hipparchus of Nicaea
4. Isaac Newton
5. Johannes Kepler



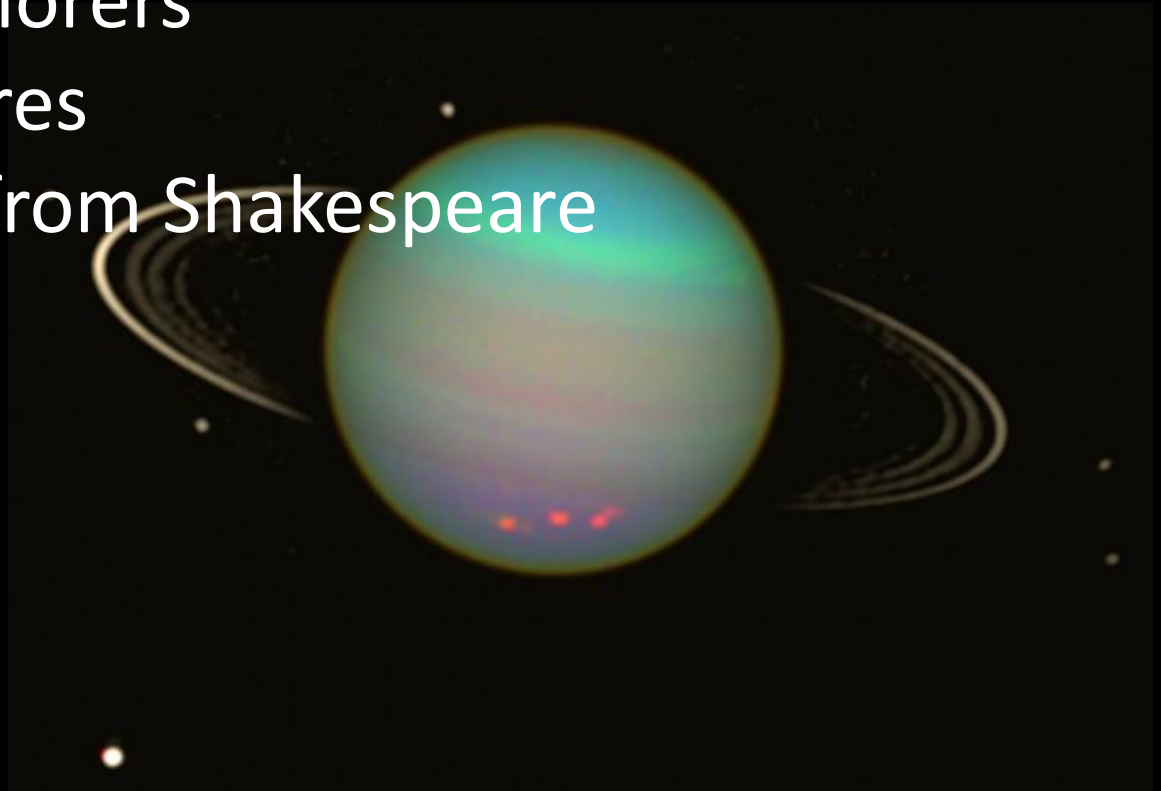
Q 6: What term is used to describe the twinkle of star light?

1. Perturbation
2. Scintillation
3. Twilight
4. Albedo
5. Obliquity



Q 7: What are the moons of Uranus named for?

1. Greek monsters
2. Ancient female Gods
3. Ancient explorers
4. Biblical figures
5. Characters from Shakespeare



Q 8: Evidence that the universe contains much unobserved dark matter is the _____

1. Excessive amount of gas found in spiral galaxies
2. Flat rotation curves of spiral galaxies
3. Powerful radio emission from the center of spirals
4. Accelerating expansion of space-time
5. Collapse of molecular gas clouds and new star birth



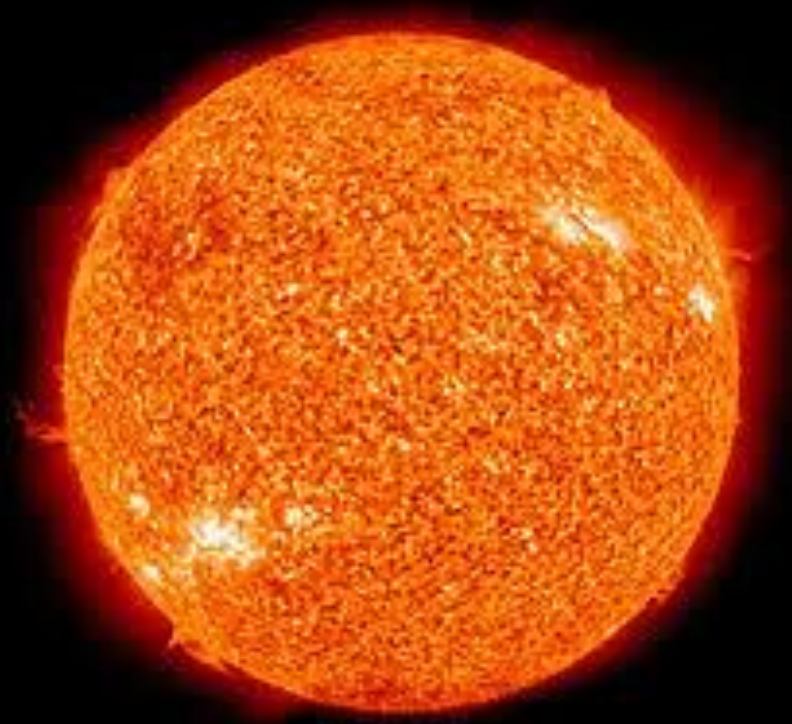
Q 9: What term describes a straight-line configuration of three or more celestial bodies in a gravitational system?

1. Syzygy
2. Suzerainty
3. Ephemeris
4. Ephemeron
5. Ecliptic



Q 10: What is the optically visible part of the Sun called?

1. stratosphere
2. photosphere
3. lithosphere
4. heliosphere
5. luminosphere



Q 11: What is the furthest astronomical object visible to the naked eye from Earth?

1. The Andromeda Galaxy
2. Eagle Nebula
3. Betelgeuse
4. The Whirlpool Galaxy
5. Sagittarius



Q 12: What is the abbreviated name of NASA's most recent exoplanet hunting mission?

1. TESS
2. TASS
3. TOSS
4. TESA
5. TOSA



Q 13: Approximately how fast does Earth orbit around the Sun?

1. 72,500 km/h
2. 80,000 km/h
3. 90,500 km/h
4. 100,000 km/h
5. 107,000 km/h



Q 14: Who were the third and fourth people to walk on the Moon?

1. Eugene Cernan & Harrison Schmitt
2. Jim Lovell & Allan Shepard
3. Pete Conrad Jr & Alan Bean
4. David Scott & James Irwin
5. Ed White & Gus Grissom



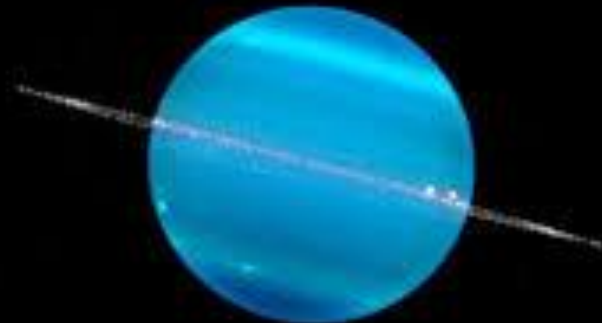
Q 15: Approximately how long is a Galactic Year?

1. About 100 to 125 Myr
2. About 175 to 200 Myr
3. About 200 to 225 Myr
4. About 225 to 250 Myr
5. About 350 to 375 Myr



Q 16: Who is credited with the discovery of Uranus?

1. William Herschel
2. Galileo
3. Copernicus
4. Hans Lippershey
5. Johnathon Herschel



Q 17: How many light years in one Megaparsec?

1. 1 million light years
2. 2.26 million light years
3. 3.26 million light years
4. 4.62 million light years
5. 5.56 million light years



Q 18: Which nebula is closest to the Sun?

1. Eta Carinae
2. M16 Eagle Nebula
3. M8 Lagoon Nebula
4. Crab Nebula
5. Helix Nebula



Q 19: The Abell catalogue is a list of _____

1. Bright nebulae
2. Dark nebulae
3. Globular clusters
4. Star clusters
5. Galaxy clusters



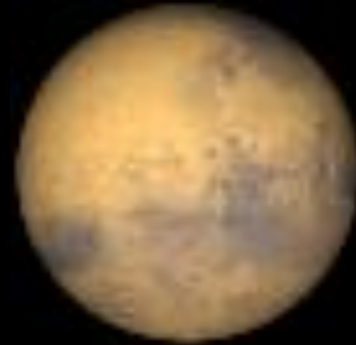
Q 20: When will Comet Halley next be closest to the Sun?

1. 28 July 2061
2. 29 February 2055
3. 4 July 2077
4. 9 April 2093
5. 1 June 2088



Q 21: When will Mars be next at opposition?

1. April 2020
2. July 2020
3. August 2020
4. September 2020
5. October 2020



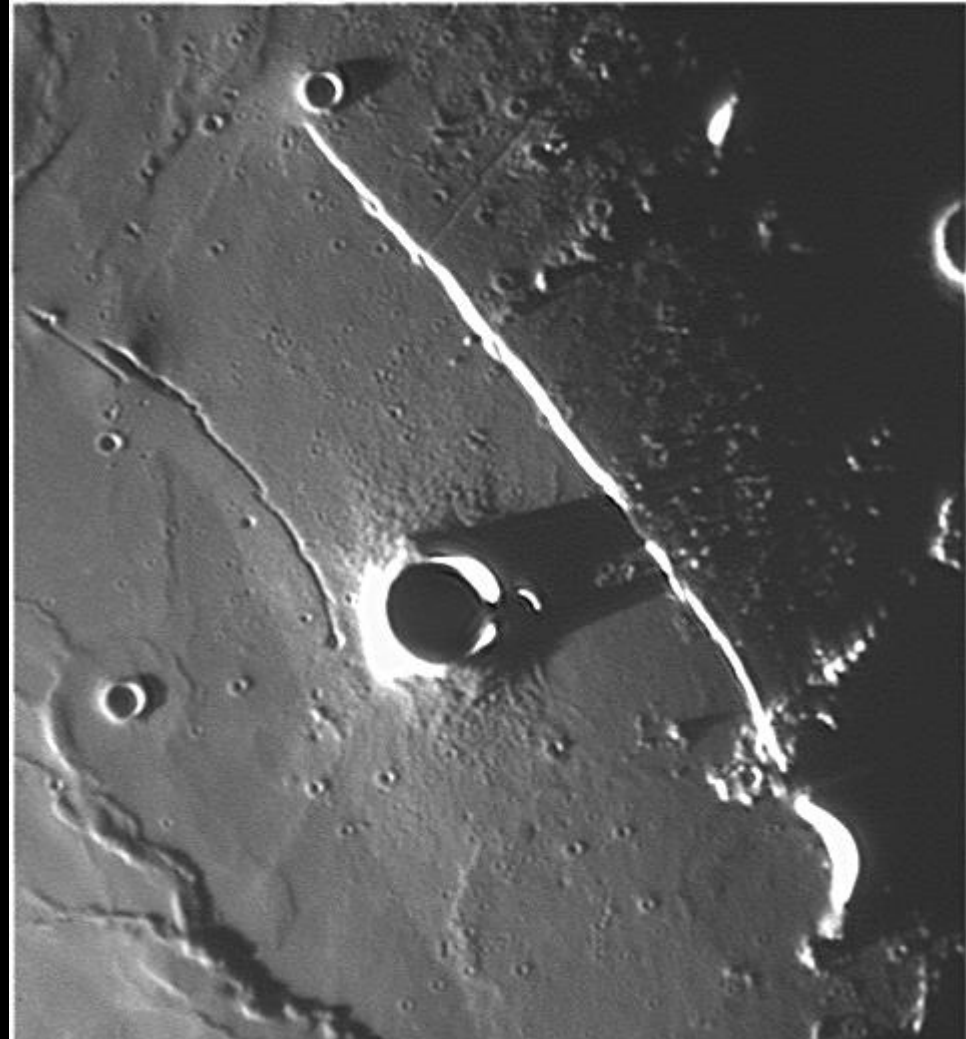
Q 22: How far from the Sun is the star Sirius?

1. 4.35 ly
2. 5.5 ly
3. 6.04 ly
4. 7.77 ly
5. 8.58 ly



Q 23: The Lunar feature Rupes Recta – The Straight Wall – is located on which lunar sea?

1. Mare Nubium
2. Mare Crisium
3. Mare Nectaris
4. Mare Vaporum
5. Mare Humorum



Q 24: The Caloris Basin, a large impact crater, is on which body in our solar system?

1. Mercury
2. The Moon
3. Mars
4. Mimas
5. Titan



Q 25: In which constellation are the Southern Pleiades located?

1. Centaurus
2. Circinus
3. Musca
4. Carina
5. Vela



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Next 5 questions

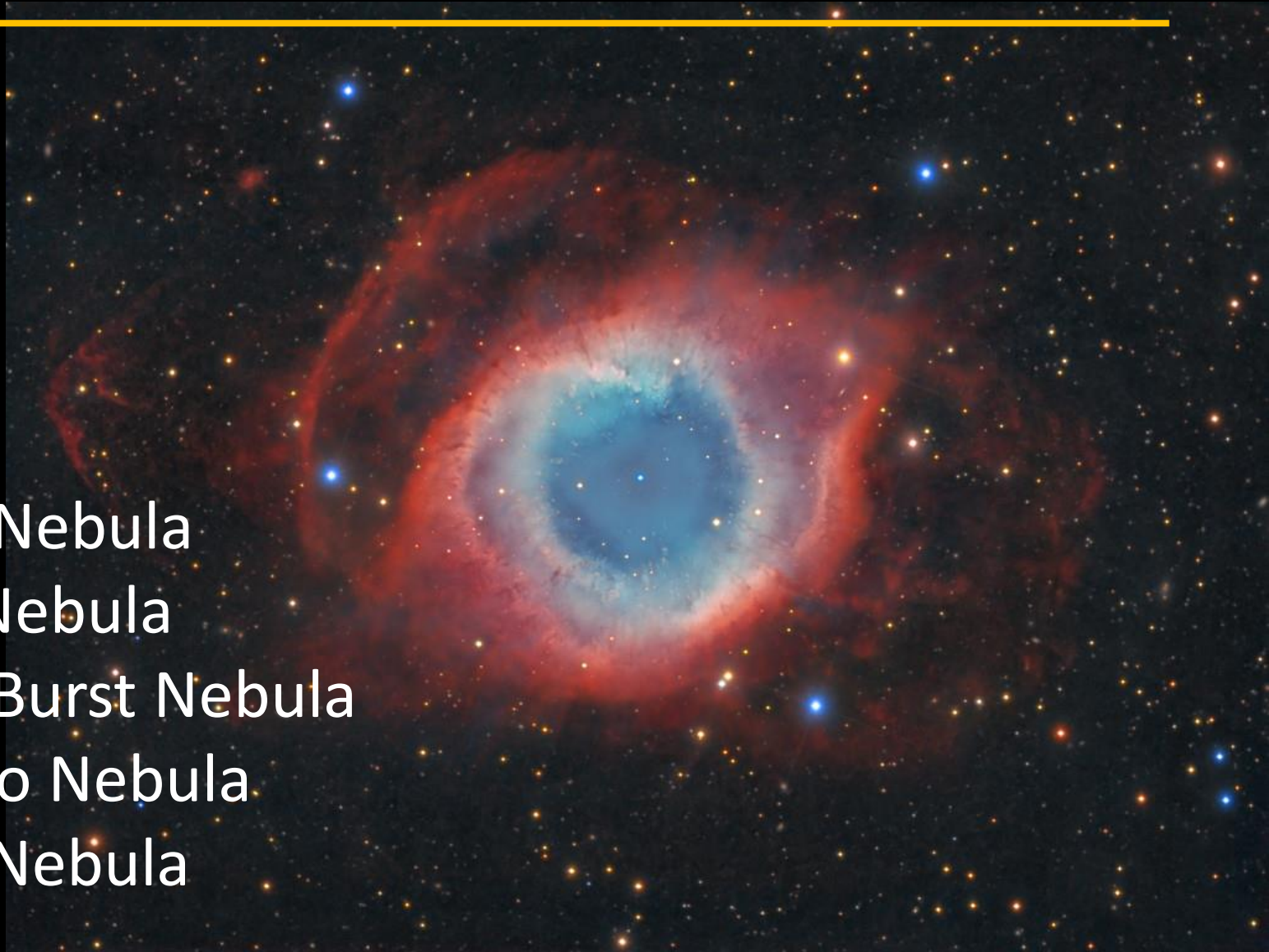
+5 points for right answer

-5 for a wrong answer



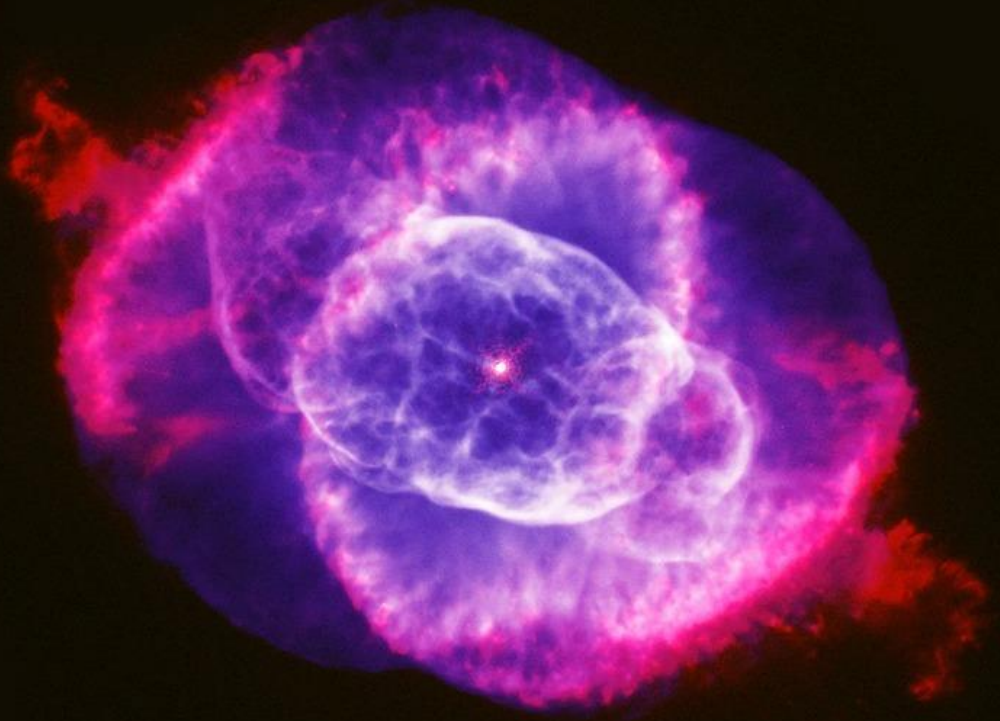
Q 26: Name this object

1. Trifid Nebula
2. Ring Nebula
3. Eight Burst Nebula
4. Eskimo Nebula
5. Helix Nebula



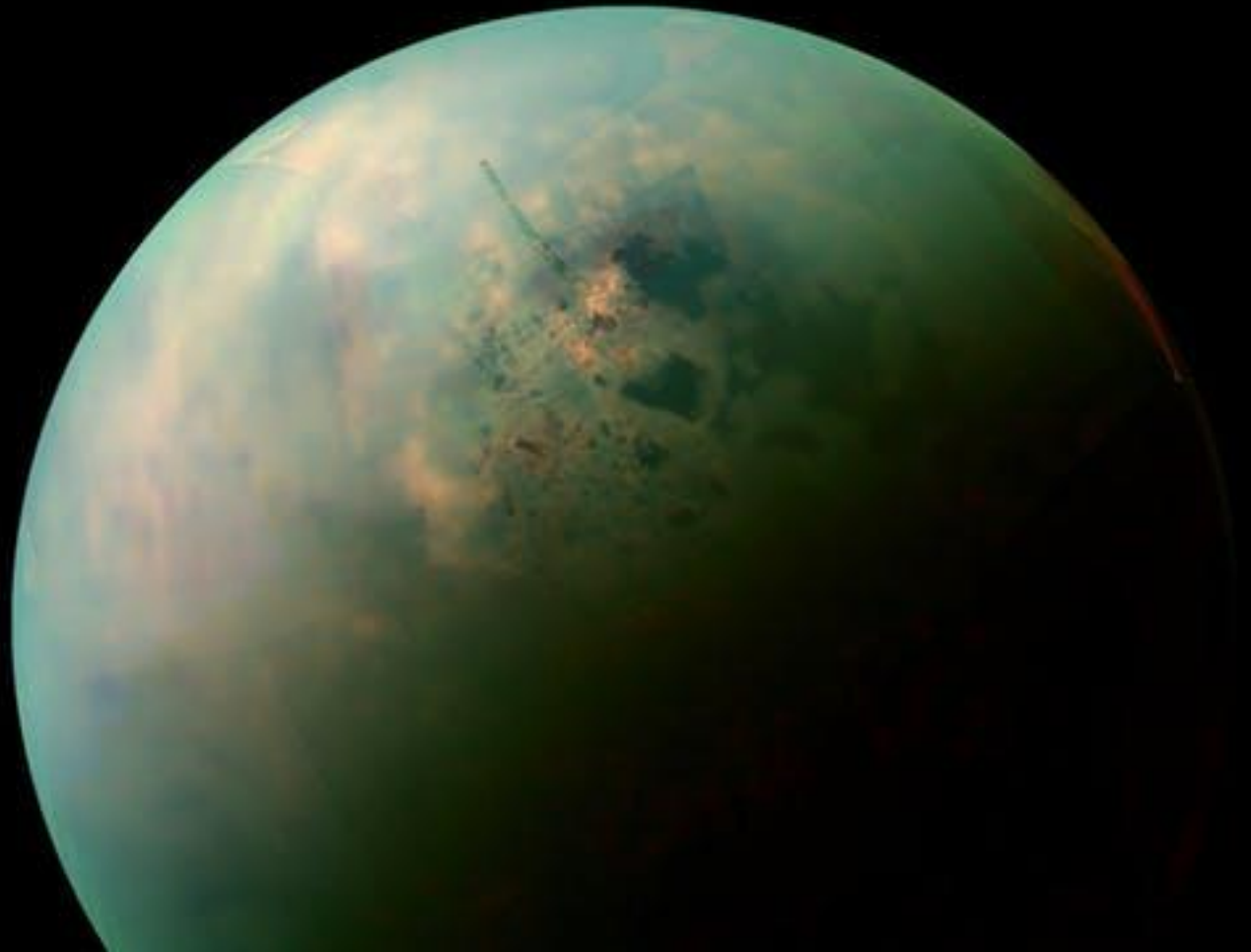
Q 27: Name this object

1. Flame Nebula
2. Cat's Eye Nebula
3. Running Chicken Nebula
4. Trifid Nebula
5. Rosette Nebula



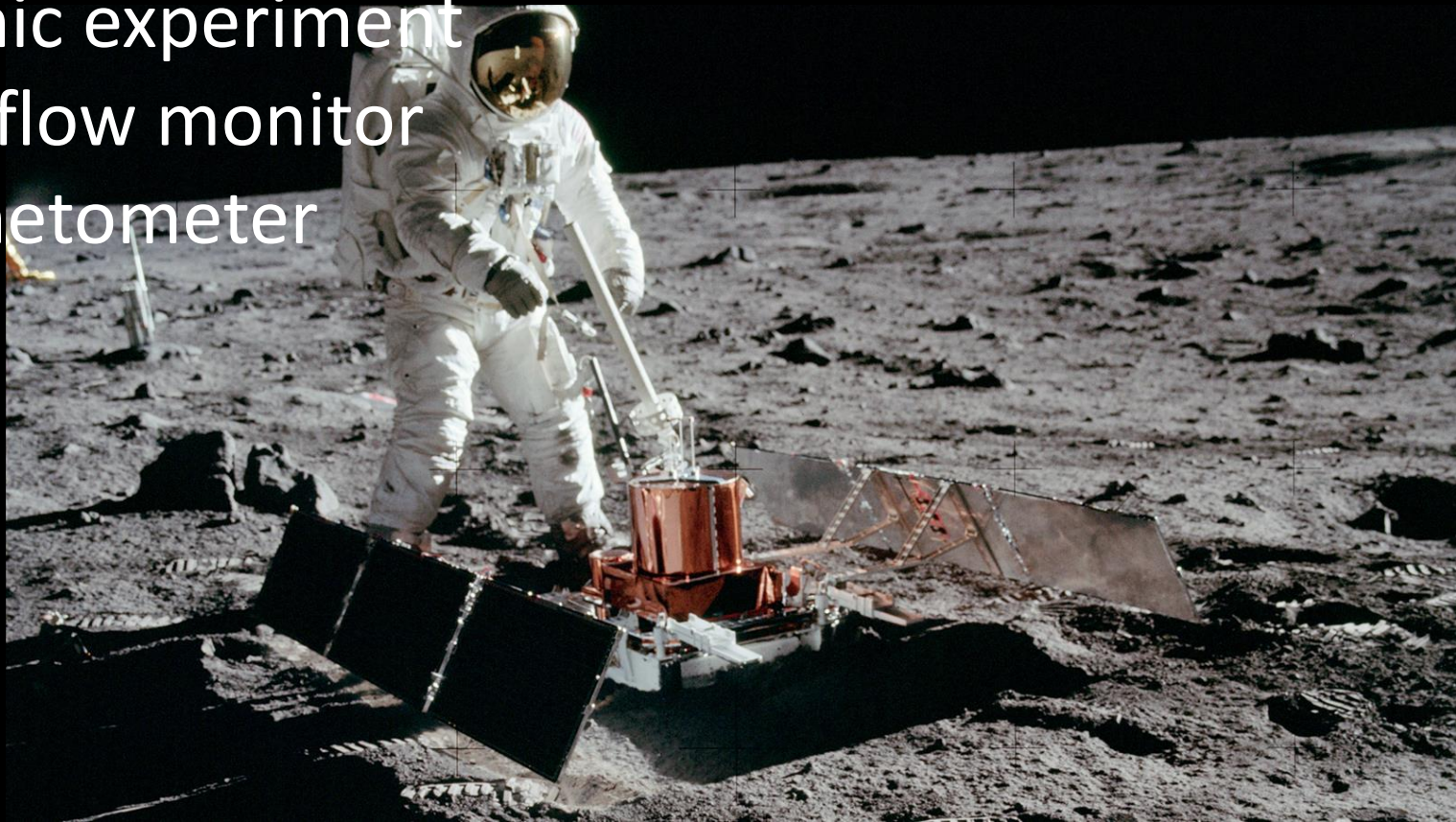
Q 28: Name this object

1. Ganymede
2. Phobos
3. Titan
4. Io
5. Callisto



Q 29: What is the function this equipment being set up by Apollo 11, Buz Aldrin.

1. Suprathermal Ion Detection
2. Low energy solar wind detector
3. Seismic experiment
4. Heat flow monitor
5. Magnetometer



Q 30: Name this object

1. Lagoon Nebula
2. Rosette Nebula
3. Well Nebula
4. Rose Nebula
5. Burst Nebula



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Last 5 questions

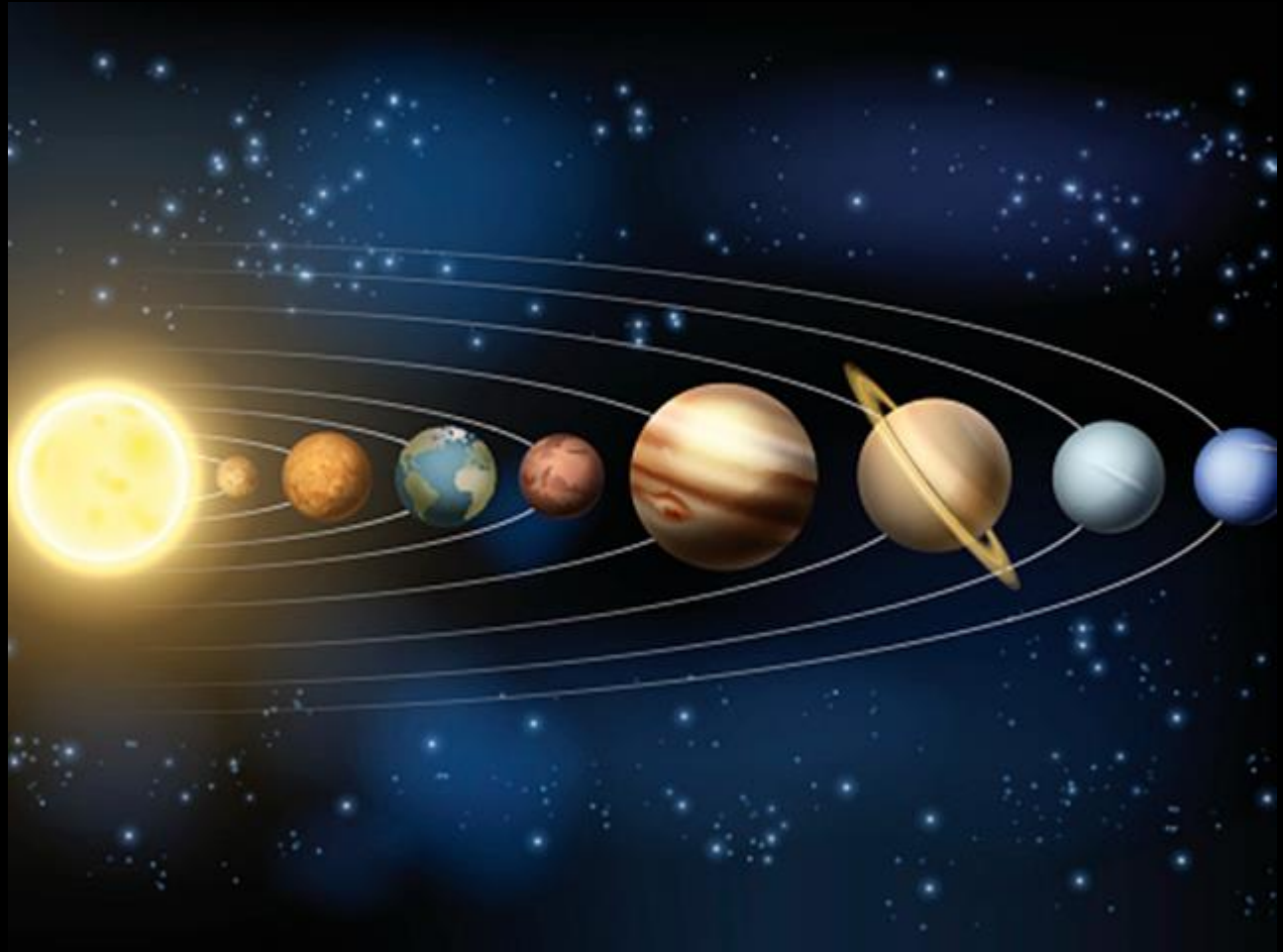
+10 points for right answer

-10 for a wrong answer



Q 31: Which is the fastest rotating planet in our solar system?

1. Mercury
2. Venus
3. Jupiter
4. Saturn
5. Neptune



Q 32: What is the most southerly constellation adjacent to Pavo?

1. Carina
2. Triangulum Australe
3. Vela
4. Apus
5. Octans



Q 33: How far is the Jewel Box Cluster from the Sun?

1. 747 ly
2. 2300 ly
3. 5060 ly
4. 5128 ly
5. 6400 ly




Q 34: What is the equatorial diameter of the Moon?

1. 3,474.2 km
2. 2,967.3 km
3. 3,673.7 km
4. 4,747.2 km
5. 3,428.8 km



Q 35: How long is the orbital period of binary stars Alpha Centauri A and B?

- 
1. 12.5 years
 2. 22.7 years
 3. 77.9 years
 4. 78.8 years
 5. 79.9 years

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How well did you do?

