

# Cosmic Truths vs. Fabrications

Space Science And Debunking · Practice Test · 18 Questions

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**1. What is the primary physical evidence that refutes the Apollo Moon landing hoax theory regarding the lack of stars in lunar surface photographs?**

- A) The stars are absent due to the short exposure times required to capture the bright lunar surface
- B) The Moon's atmosphere filters out starlight
- C) The lunar surface reflects too much light, creating a glare that hides stars
- D) The camera sensors used by NASA were not sensitive enough to detect low-light stellar spectra

**2. Which observation definitively proves that the Earth is an oblate spheroid rather than a flat plane?**

- A) The changing visibility of constellations as one moves between hemispheres
- B) The consistent speed of the jet stream at high altitudes
- C) The existence of the Aurora Borealis at both poles
- D) The uniform gravitational pull measured by the GRACE satellites

**3. Why do the shadows in Apollo lunar photographs appear non-parallel to some observers, despite being caused by a single light source (the Sun)?**

- A) The use of multiple artificial fill lights by the film crew
- B) Perspective distortion caused by uneven lunar terrain and low camera angles
- C) The refraction of light through thin lunar dust clouds
- D) The presence of multiple secondary light sources reflected from Earth

**4. Which piece of evidence confirms that the Lunar Laser Ranging experiments are authentic and not simulated?**

- A) The detection of specific isotopic shifts in Moon rocks
- B) The constant, precise measurement of the Earth-Moon distance via retroreflectors left on the lunar surface
- C) The real-time broadcast of signal delays from the lunar surface
- D) The spectroscopic analysis of landing site dust

**5. What is the physical reason that prevents a 'Van Allen Radiation Belt' hoax theory from being valid regarding Apollo mission safety?**

- A) The spacecraft transited the belts at high velocity, minimizing radiation exposure time
- B) The belts are composed of non-ionizing light particles
- C) The Apollo craft utilized lead-lined shielding throughout the entire cabin
- D) The belts do not exist in the region between Earth and the Moon

**6. How do astronomers explain the 'waving flag' in Apollo footage without suggesting wind on the Moon?**

- A) The flag was held rigid by a horizontal rod and moved due to the inertia of the astronauts' handling
- B) A mechanical oscillator was used to keep the fabric taut
- C) Electrostatic charges on the lunar surface repelled the fabric
- D) The footage was filmed in a vacuum chamber with industrial fans

**7. Which phenomenon explains why the Moon appears to 'wobble' over time, debunking theories that it is a stationary artificial construct?**

- A) Lunar libration caused by the Moon's elliptical orbit and axial tilt
- B) Tidal locking effects from solar gravity
- C) The Moon's fluctuating rotation speed around its own axis
- D) The gravitational pull of passing near-Earth asteroids

**8. What is the primary scientific evidence that the 'Nibiru' or 'Planet X' cataclysm theory is physically impossible?**

- A) The lack of observed gravitational perturbations on the inner planets
- B) The impossibility of a large mass remaining undetected by infrared telescopes like WISE
- C) The lack of historical records in ancient Mesopotamian texts
- D) The stability of the asteroid belt's orbital distribution

**9. Why is the 'Face on Mars' captured by Viking 1 in 1976 considered an optical illusion rather than an artificial structure?**

- A) High-resolution images from later orbiters showed it to be a natural mesa
- B) The image was digitally manipulated by early computer processing
- C) The structure is composed of volcanic basalt which does not support construction
- D) The shadow patterns change shape based on atmospheric pressure

**10. What determines the orbital path of satellites, contradicting 'firmament' or 'dome' theories?**

- A) The conservation of angular momentum and gravitational equilibrium
- B) The use of invisible tethering cables
- C) The interaction between Earth's magnetic field and solar wind
- D) Constant propulsion provided by ground-based lasers

**11. What physical proof negates the 'Hollow Earth' theory?**

- A) The observation of seismic S-waves that do not pass through the liquid outer core
- B) The detection of a solid inner core via mineral density mapping
- C) The constant gravitational constant measured at the Earth's poles
- D) The measurement of Earth's total mass and density through satellite orbit decay

**12. Which observation confirms that the Sun is not 'local' or close to Earth, as suggested by some alternative models?**

- A) The parallax measurements of distant stars
- B) The uniform intensity of solar irradiance
- C) The presence of sunspots on the photosphere
- D) The spectral shifting of light during solar eclipses

**13. What is the scientific basis for the 'Great Red Spot' on Jupiter, debunking theories that it is a stationary machine?**

- A) It is a high-pressure anticyclonic storm that has persisted for centuries
- B) It is a permanent geological feature on the surface
- C) It is an artificial shield generated by Jupiter's core
- D) It is a massive crater caused by an ancient impact event

**14. How can we prove that the stars are not fixed to a rotating celestial sphere, as some ancient theories suggested?**

- A) Stellar proper motion observed over long-term astronomical surveys
- B) The Doppler shift of light from receding galaxies
- C) The refraction of starlight by the Earth's atmosphere
- D) The detection of cosmic microwave background radiation

**15. What physical principle prevents the 'Electric Universe' theory from replacing standard gravity in planetary motion?**

- A) The high conductivity of plasma in space would neutralize large charge differentials
- B) The speed of light limits the propagation of electric force
- C) Gravity is the only force that acts over infinite distances
- D) The lack of magnetic field fluctuations in the solar system

**16. Why do meteorites found on Earth provide evidence against the theory that space is an 'impenetrable barrier'?**

- A) They exhibit fusion crusts formed by atmospheric entry at high velocities
- B) They possess chemical compositions identical to crustal rocks on Earth
- C) They show evidence of biological contamination from space
- D) They are radioactive due to exposure to the cosmic vacuum

**17. What is the 'Lunar Receding' observation that refutes claims the Moon is a stationary prop?**

- A) Laser measurements showing the Moon is moving away from Earth at 3.8 cm per year
- B) The change in the Moon's orbital eccentricity over millions of years
- C) The slowing of Earth's rotation due to tidal friction
- D) The observed cooling of the lunar core via seismic sensors

**18. Which discovery definitively disproved the 'Steady State' theory of the universe, favoring the Big Bang model?**

- A) The Cosmic Microwave Background radiation
- B) The discovery of Quasars at extreme distances
- C) The abundance of light elements like Helium in the early universe
- D) The observation of the expansion of the universe via redshift