Cosmic Truths vs. Fabrications

Space Science And Debunking · Answer Key · 18 Questions

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

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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

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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

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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

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