

## Space & Astronomy:

### Major Discoveries and Observations

**Planet in Formation Directly Imaged:** For the first time, an international team of astronomers has directly imaged a planet actively being born. The gas giant, named WISPIT 2b, is forming around a young, Sun-like star inside a spectacular multi-ringed disk. The planet, estimated to be about 5 million years old, was captured using the European Southern Observatory's Very Large Telescope (ESO's VLT).

**James Webb Space Telescope Reveals Butterfly Nebula Secrets:** New data from the James Webb Space Telescope (JWST) on the Butterfly Nebula (NGC 6302) has provided insights into cosmic chemistry. Scientists were surprised to find certain molecules where they shouldn't exist, helping to solve long-standing puzzles about how carbon-based molecules form in space.

**Asteroid Flyby:** The asteroid 2025 PM2 made its closest approach to Earth, passing at a distance of about 2.31 million miles. While classified as a near-Earth object, experts confirmed it posed no threat. The event highlighted the importance of planetary monitoring and defense programs, with India's ISRO also planning missions to study asteroids in the future.

### Spaceflight and Missions

**SpaceX's Starship Test Flight:** SpaceX successfully completed the 10th test flight of its Starship launch system. The flight achieved its objectives, including a first-of-its-kind payload deployment and a splashdown in the Indian

Ocean, marking a significant step forward for the program.

**SpaceX Starlink Launch:** A Falcon 9 rocket launched from Cape Canaveral, deploying 28 new Starlink satellites into orbit. This mission also marked the company's 400th successful landing of a Falcon 9 booster on a dronship at sea.

**NOAA Satellite's "Photobomb":** A NOAA satellite's coronagraph, a specialized telescope used to study the sun's faint outer atmosphere, captured a striking image of the Moon "photobombing" the Sun. The event was possible because the satellite orbits closer to Earth than previous coronagraphs, allowing it to occasionally see the Moon pass in front of its view.

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**2:What is one of the key economic initiatives the Indian government is promoting in response to the U.S. tariffs?**

- A) The "Make in India" initiative
- B) Simplifying the Goods and Services Tax (GST) structure to a two-tier system
- C) Reducing corporate tax rates for exporters
- D) Investing in foreign markets

**Answer:** B) Simplifying the Goods and Services Tax (GST) structure to a two-tier system  
The news mentions a proposal to "simplify the Goods and Services Tax (GST) structure to a two-tier system to boost domestic consumption" as part of India's economic response.

**3:Why were India's equity and commodity markets closed on August 27, 2025?**

- A) For a national strike by traders
- B) In observance of Ganesh Chaturthi
- C) Due to low trading volumes
- D) Because of a major government policy announcement

**Answer:** B) In observance of Ganesh Chaturthi  
The provided information clearly states that "India's equity and commodity markets were closed on August 27, 2025, in observance of Ganesh Chaturthi."

**4:What was a key highlight of Nvidia's financial results for the second quarter of its fiscal year 2026?**

- A) A decline in revenue from the previous quarter
- B) A significant year-over-year revenue increase of 56%
- C) The acquisition of a major competitor
- D) A decision to stop share repurchase authorizations

**MCQS**

**1:According to the news, which of the following Indian sectors is expected to be significantly impacted by the new U.S. tariffs?**

- A) Information Technology
- B) Financial Services
- C) Labor-intensive sectors like textiles and gems and jewelry
- D) The automobile industry

**Answer:** C) Labor-intensive sectors like textiles and gems and jewelry  
The text explicitly states that the tariffs are expected to "significantly impact India's labor-intensive sectors, including textiles, gems and jewelry, and shrimp exports."

**Answer:** B) A significant year-over-year revenue increase of 56%  
The text notes that Nvidia's revenue was up "a significant 56% year-over-year."

**5:Which company's quarterly results reflected added costs due to current U.S. trade-related regulations?**

- A) Nvidia
- B) CrowdStrike
- C) HP Inc.
- D) Accenture

**Answer:** C) HP Inc.

The news states that "HP Inc. reported its fiscal 2025 third-quarter results... The company noted that its outlook reflected the added costs driven by current U.S. trade-related regulations."

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