



Devastating Impact on Our Night Sky highlighted

Description

A recent image shows Comet C/2025 R3 (PanSTARRS) surrounded by light from around 10,000 satellites in low Earth orbit. This picture highlights a growing problem: billionaires are affecting our night sky and astronomy.

Satellites reflect sunlight from their solar panels and antennas. Some experts warn that if SpaceX builds a million more satellites, they could block our view of the stars. These satellites would be much larger, with solar arrays ten times bigger. This increase could harm our ability to see the night sky clearly.

The image was taken from Bavaria, Germany, two weeks ago. To people watching, satellites look like small points of light moving slowly across the sky.

Many people are worried about these “modern-day monstrosities” because they change the way we experience space. The effects could be serious for scientists studying astronomy. More satellites may mean fewer clear nights for observing stars and planets.

This issue raises questions about how we balance technology with our natural world. The stunning image is a reminder of what we might lose if we do not pay attention.

Vocabulary List:

1. **satellites** //ˈsætəlaɪts// (noun): machines sent into space that orbit Earth
2. **billionaires** //ˌbɪljəˈneɪrɪz// (noun): people who have more than one billion dollars
3. **astronomy** //əˈstrɒnəmi// (noun): the study of stars, planets, and space
4. **reflect** //rɪˈflekt// (verb): to send back light or heat from surface
5. **arrays** //əˈreɪz// (noun): groups of equipment arranged to work together
6. **balance** //ˈbæləns// (verb): to give equal importance to two things

Comprehension Questions

Multiple Choice

1. What is Comet C/2025 R3 also known as?



- Option: Halley's Comet
- Option: Comet PanSTARRS
- Option: Comet Hale-Bopp
- Option: Comet NEOWISE

2. How many satellites are currently estimated to be in low Earth orbit?

- Option: 1,000
- Option: 10,000
- Option: 100,000
- Option: 1 million

3. Where was the image of Comet C/2025 R3 taken?

- Option: California, USA
- Option: Bavaria, Germany
- Option: Tokyo, Japan
- Option: Sydney, Australia

4. What do satellites reflect that can affect our view of the night sky?

- Option: Radio waves
- Option: Light
- Option: Sound
- Option: Heat

5. What could happen if SpaceX builds a million more satellites?

- Option: We could see more stars
- Option: The night sky could become clearer
- Option: They could block our view of the stars
- Option: There will be fewer satellites

6. What is a concern regarding the satellites mentioned in the text?

- Option: They might bring more tourists
- Option: They could change our experience of space
- Option: They will improve internet access
- Option: They will help with climate change

True-False

7. Comet C/2025 R3 is a recently discovered comet.



8. The image depicting 10,000 satellites around Comet C/2025 R3 was taken in China.
9. Experts believe that more satellites will help astronomers study space.
10. Satellites appear as bright flashes moving quickly across the sky.
11. The article mentions that satellites are much larger than before.
12. The increase in satellites will have no impact on stargazing.

Gap-Fill

13. The image shows Comet C/2025 R3 surrounded by _____ satellites in low Earth orbit.
14. Satellites reflect _____ from their solar panels and antennas.
15. People watching satellites see them as small points of light moving _____ across the sky.
16. Experts warn that if SpaceX builds a million more satellites, they could block our _____ of the stars.
17. The article discusses the effects of satellites on our _____ experience of space.
18. This issue raises questions about balancing technology with our _____ world.

Answer

Multiple Choice: 1. Comet PanSTARRS 2. 10,000 3. Bavaria, Germany 4. Light 5. They could block our view of the stars 6. They could change our experience of space

True-False: 7. True 8. False 9. False 10. False 11. True 12. False

Gap-Fill: 13. 10,000 14. sunlight 15. slowly 16. view 17. natural

Vocabulary quizzes



Multiple Choice (Select the Correct answer for each question.)

1. Which of the following terms is often used to refer to buyers in a marketplace?
Option: Retailer
Option: Consumer
Option: Partnership
Option: Vending

2. What type of gaming device is commonly referred to as portable and can be held in one hand?
Option: Console
Option: Handheld
Option: Streaming
Option: Utility

3. Which field of study focuses on celestial objects and the universe?
Option: Astronomy
Option: Retailing
Option: Haptic
Option: Performance

4. Which term refers to individuals whose net worth is at least one billion dollars?
Option: Retailers
Option: Billionaires
Option: Frameworks
Option: Developing

5. What term is used to describe a collaborative agreement between two or more parties?
Option: Vending
Option: Partnerships
Option: Array
Option: Storage

6. What technology allows continuous data flow, usually for media content?
Option: Haptic
Option: Streaming
Option: Utility
Option: Performance

7. In what context is the term reliability often evaluated?
Option: Performance
Option: Vending
Option: Reliability



Option: Framework

8. What action are businesses typically trying to achieve regarding their sales and profits?

- Option: Decrease
- Option: Remove
- Option: Increase
- Option: Acknowledge

9. What term refers to the act of taking something away or eliminating it?

- Option: Removals
- Option: Balance
- Option: Potential
- Option: Navigate

10. What technology provides tactile feedback to users, often used in gaming?

- Option: Haptic
- Option: Vending
- Option: Array
- Option: Venture

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The new software was designed to improve the _____ of the existing system.

12. A solid _____ is necessary for the project to succeed.

13. The team's _____ improved significantly after the new training program.

14. It's important to establish a work-life _____ to maintain mental health.

15. We must _____ our natural resources for future generations.

16. Drivers need to _____ the complex road systems in urban areas.

17. The committee _____ the contributions of all members during the meeting.

18. The startup showed great _____ for growth in the tech market.

19. Many communication systems rely on _____ to function effectively.

20. The engineer designed complex _____ to manage data processing.



Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. Vending machines offer a convenient way for consumers to purchase snacks and drinks quickly.
22. Many companies aim to increase their market share during the busy holiday season.
23. The removals of outdated policies helped streamline the organization's operations.
24. Retailers must adapt to changing consumer preferences to stay competitive.
25. Strategic partnerships can lead to innovative solutions and better market positioning.
26. The government announced new fiscal policies to stabilize the economy.
27. The gaming console offers high-quality graphics and immersive gameplay experience.
28. Developing new technologies is crucial for staying ahead in the competitive marketplace.
29. Handheld devices have revolutionized the way we consume digital media on the go.
30. Streaming services have changed how audiences access and enjoy television and movies.

Answer

Multiple Choice: 1. Consumer 2. Handheld 3. Astronomy 4. Billionaires 5. Partnerships 6. Streaming
7. Reliability 8. Increase 9. Removals 10. Haptic

Gap-Fill: 11. utility 12. framework 13. performance 14. balance 15. preserve 16. navigate 17. acknowledged
18. potential 19. satellites 20. arrays

Matching sentence: 1. vending 2. increase 3. removals 4. retailers 5. partnerships 6. fiscal 7. console
8. developing 9. handheld 10. streaming

CATEGORY

1. Sci/Tech - LEVEL2

POST TAG

1. destruction
2. ESL learning
3. esl news
4. Level 2
5. night sky
6. stark image



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