



Brilliant Comet Visible from Earth Like Venus

Description

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A surprise comet could be as bright as Venus when it passes by Earth soon. It's called Comet C/2024 G3 (ATLAS) and was first seen by NASA in April last year. At first, astronomers thought it might not survive near the sun, but now it seems it will.

The comet has a new orbit that takes 160,000 years to complete. It can be seen in the southern hemisphere and might also be visible in the north with binoculars. The comet is getting brighter, but it's not breaking up like some thought. This could make it one of the brightest comets in a long time.

If it stays bright, it will shine best when it gets closest to the sun on January 13. People in the north can try to see it from January 12 to 14. Best times are just before sunrise on the 12th and just after sunset on the 14th.

Exciting times for stargazers!

Vocabulary List:

1. **Comet** /'kɒmɪt/ (noun): An icy small body that releases gases or dust.
2. **Astronomers** /ə'strɒnəmərz/ (noun): Scientists who study celestial bodies and the universe.
3. **Orbit** /'ɒ:bɪt/ (noun): The curved path of a celestial object around a star planet or moon.
4. **Visible** /'vɪzəbəl/ (adjective): Able to be seen or perceived.
5. **Brightness** /'brɪtənəs/ (noun): The quality or state of being bright; intensity of light.
6. **Exciting** /ɪk'saɪtɪŋ/ (adjective): Causing great enthusiasm and eagerness.

Comprehension Questions

Multiple Choice

1. What is the name of the comet that could be as bright as Venus when it passes by Earth?

Option: Comet C/2024 G3 (ATLAS)
Option: Comet Halley
Option: Comet Hale-Bopp
Option: Comet Encke

2. When was Comet C/2024 G3 (ATLAS) first seen by NASA?

Option: April last year
Option: January this year
Option: March last year

Option: October last year

3. How long does the new orbit of the comet take to complete?

Option: 160,000 years

Option: 500 years

Option: 1,000 years

Option: 50,000 years

4. When will the comet be closest to the sun?

Option: January 13

Option: January 20

Option: January 10

Option: February 1

5. Where can the comet be seen?

Option: Southern hemisphere and possibly in the north with binoculars

Option: Only in the northern hemisphere

Option: Only in the southern hemisphere

Option: Only in certain equatorial regions

6. When are the best times to try to see the comet for people in the north?

Option: Just before sunrise on January 12 and just after sunset on January 14

Option: Midnight on January 13

Option: Early morning on January 1

Option: No specific time, it can be seen anytime in January

True-False

7. The comet C/2024 G3 (ATLAS) was initially thought to be unable to survive near the sun.

8. The comet C/2024 G3 (ATLAS) is breaking up, affecting its brightness.

9. The comet C/2024 G3 (ATLAS) has the shortest orbit ever recorded.

10. The comet C/2024 G3 (ATLAS) is expected to be visible only in the southern hemisphere.

11. The best time to view the comet C/2024 G3 (ATLAS) from the north is just before sunset on January 12.



12. Stargazers are not excited about the upcoming appearance of the comet C/2024 G3 (ATLAS).

Gap-Fill

13. The new orbit of comet C/2024 G3 (ATLAS) takes _____ years to complete.

14. The comet could be as bright as _____ when it passes by Earth.

15. People in the north can try to see the comet from January 12 to _____.

16. If it stays bright, the comet will shine best when it gets closest to the sun on January

_____.

17. Comet C/2024 G3 (ATLAS) might also be visible in the north with _____.

18. The comet C/2024 G3 (ATLAS) is not breaking up as it gets brighter, making it one of the

_____ comets in a long time.

Answer

Multiple Choice: 1. Comet C/2024 G3 (ATLAS) 2. April last year 3. 160,000 years 4. January 13 5. Southern hemisphere and possibly in the north with binoculars 6. Just before sunrise on January 12 and just after sunset on January 14

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

Gap-Fill: 13. 160,000 14. Venus 15. 14 16. 13 17. binoculars 18. brightest

Vocabulary quizzes

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

1. What is essential for Artificial Intelligence to provide reliable results?

Option: Boost

Option: Concerns

Option: Accuracy

Option: Oversight

2. Where do astronomers observe the movement of celestial bodies?

- Option: Visible
- Option: Orbit
- Option: Brightness
- Option: Impact

3. What is often at stake due to the spread of misinformation?

- Option: Mix-up
- Option: Incorrect
- Option: Credibility
- Option: Summarizes

4. Who funds many online platforms through paid promotions?

- Option: Align
- Option: Advertiser
- Option: Influenza
- Option: Symptoms

5. What is a major concern when hate speech and criticism are rampant?

- Option: Risk
- Option: Impact
- Option: Evolve
- Option: Department

6. What is necessary to confirm the authenticity of information?

- Option: Verify
- Option: Comet
- Option: Astronomers
- Option: Oversight

7. What do viruses constantly do to adapt to new environments?

- Option: Concerns
- Option: Evolve
- Option: Risk
- Option: Mix-up

8. What is crucial for the development of modern societies?

- Option: Infrastructure
- Option: Embracing
- Option: Boost
- Option: Hate speech

9. What property allows certain celestial objects to be easily observed?

- Option: Visible
- Option: Brighter
- Option: Misinformation
- Option: Comet

10. What feeling often accompanies new discoveries in scientific research?

- Option: Criticism
- Option: Exciting
- Option: Hate speech
- Option: Advertiser

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

11. What do scientists have regarding the potential risks of genetic engineering?

12. How does spreading _____ impact public understanding of important issues?

13. A good abstract _____ the key points of a research paper.

14. What are the signs that someone might be experiencing an illness?

15. What is necessary to prevent mistakes or misconduct in a company?

16. Stars appear _____ in the night sky when the atmosphere is clearer.

17. Promoting a healthy lifestyle can sometimes _____ with fast-food advertising.

18. Providing _____ information can have serious consequences especially in medical contexts.

19. There was a _____ at the airport and the luggage ended up in the wrong city.

20. Species _____ over time to adapt to changing environments.

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

21. Society's progress often depends on new technologies and ideas.



22. use powerful telescopes to study celestial objects.

23. A is a celestial object that orbits the Sun and has a tail of dust and gas.

24. Launching a new product always involves some level of .

25. Platforms should have policies against to promote a safe online community.

26. Constructive helps individuals and organizations grow and improve.

27. study the formation and evolution of galaxies in the universe.

28. The doctor isolated the patients to prevent the spread of the disease.

29. To maintain balance the goals of different departments should with the overall company vision.

30. New marketing strategies can help sales and brand recognition.

Answer

Multiple Choice: 1. Accuracy 2. Orbit 3. Credibility 4. Advertiser 5. Impact 6. Verification 7. Evolve 8. Infrastructure 9. Visible 10. Exciting

Gap-Fill: 11. Concerns 12. Misinformation 13. Summarizes 14. Symptoms 15. Oversight 16. Brighter 17. Align 18. Incorrect 19. Mix-up 20. Evolve

Matching sentence: 1. Embracing 2. Astronomers 3. Comet 4. Risk 5. Hate speech 6. Criticism 7. Astronomers 8. Infected 9. Align 10. Boost

CATEGORY

1. Sci/Tech - LEVEL2

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