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## Bright Green Fireball and Meteor Seen Across U.S.

### Description

Jason Jenkins was driving to work early in the morning when he saw a bright green flash in the sky. His dashcam recorded the event at 6:06 a.m. on Monday in southwestern Washington state, about 20 miles north of Portland, Oregon. At first, he thought it might be a comet but quickly realised it was too close for that.

What Jenkins witnessed was a fireball, a particularly bright meteor that can be seen up to 80 miles above the Earth, according to the Oregon Museum of Science and Industry in Portland. Jenkins described the sighting as similar to a lightning strike because of its brightness.

In recent days, fireballs have been sighted across the United States. Over the weekend, another meteor lit up the skies over Northern California, prompting hundreds of reports from local residents. Last week, a 7-ton meteor crossed the sky in Ohio, causing a loud boom that startled people in multiple states.

Some fragments of this meteor made it to the ground, as confirmed by Bill Cooke, who leads NASA's Meteoroid Environments Office. In another incident, a meteor travelling at 35,000 miles per hour broke apart north of Houston, creating sounds that were heard nearby.

Green fireballs are often caused by magnesium, which glows bright blue-green when it burns in the atmosphere. The visibility of the meteor at dawn was enhanced by the dark sky. Experts say it's challenging to find a meteorite after it lands, as it generally resembles an ordinary rock.

Jenkins expressed excitement over capturing the event on his dashcam, saying he now plans to buy a lottery ticket.

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### Vocabulary List:

1. **dashcam** //dæʃkæm// (noun): small camera in a car that records road
2. **fireball** //ˈfaɪər,bɔːl// (noun): very bright meteor seen in the sky
3. **meteor** //ˈmiːtiə// (noun): a rock from space that burns in the air
4. **fragments** //ˈfrægmənts// (noun): small broken pieces of a larger object
5. **visibility** //ˌvɪzəˈbɪləti// (noun): how well you can see something
6. **challenging** //ˈtʃælɪndʒɪŋ// (adjective): difficult to do or to find

### Comprehension Questions



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## Multiple Choice

1. What time did Jason Jenkins see the bright green flash in the sky?  
Option: 5:06 a.m.  
Option: 6:06 a.m.  
Option: 7:06 a.m.  
Option: 8:06 a.m.
2. What did Jenkins initially think the bright flash might be?  
Option: A satellite  
Option: A comet  
Option: A fireball  
Option: A plane
3. Where did this sighting occur?  
Option: Northern California  
Option: Southwestern Washington  
Option: Ohio  
Option: Houston
4. According to NASA's Meteoroid Environments Office, how heavy was the meteor that crossed the sky in Ohio?  
Option: 3 tons  
Option: 5 tons  
Option: 7 tons  
Option: 10 tons
5. What color do green fireballs often glow when burned in the atmosphere?  
Option: Red  
Option: Blue-green  
Option: Yellow  
Option: White
6. What speed was the meteor travelling at when it broke apart north of Houston?  
Option: 25,000 miles per hour  
Option: 30,000 miles per hour  
Option: 35,000 miles per hour  
Option: 40,000 miles per hour



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### True-False

7. Jason Jenkins thought the sighting was a fireball at first.
8. Fireballs can be seen up to 80 miles above the Earth.
9. Jenkins was driving to work in the evening.
10. Experts say it's easy to find a meteorite after it lands.
11. Some fragments of the Ohio meteor made it to the ground.
12. The visibility of the meteor was enhanced by the daylight.

### Gap-Fill

13. Jason Jenkins saw a bright green flash in the sky at \_\_\_\_\_ a.m.
14. What Jenkins witnessed was a \_\_\_\_\_, a particularly bright meteor.
15. Fireballs have been sighted across the \_\_\_\_\_ States.
16. Green fireballs are often caused by \_\_\_\_\_, which glows bright blue-green.
17. Some fragments of the meteor made it to the \_\_\_\_\_ as confirmed by Bill Cooke.
18. Jenkins now plans to buy a \_\_\_\_\_ ticket after capturing the event.

### Answer

**Multiple Choice:** 1. 6:06 a.m. 2. A comet 3. Southwestern Washington 4. 7 tons 5. Blue-green 6. 35,000 miles per hour

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

**Gap-Fill:** 13. 6:06 14. fireball 15. United 16. magnesium 17. ground 18. lottery

### Vocabulary quizzes



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

1. What factor is often challenged during a meteor shower?  
Option: Visibility  
Option: Altitude  
Option: Density  
Option: Ecosystem
2. Which type of system is designed for flexibility and durability?  
Option: Robotic  
Option: Reusable  
Option: Certified  
Option: Simulated
3. What type of mission may involve exploring new ecosystems?  
Option: Breakthrough  
Option: Intervention  
Option: Expedition  
Option: Transfer
4. Which term refers to the variety of life in a particular ecosystem?  
Option: Ecosystem  
Option: Breakthrough  
Option: Biodiversity  
Option: Microbial
5. Which technology is often used to simulate complex biological interactions?  
Option: Robotic  
Option: Supercomputer  
Option: Genome  
Option: Anomaly
6. What type of organisms are often involved in the microbial ecosystem?  
Option: Robotic  
Option: Microscopic  
Option: Fragile  
Option: Reusable
7. What is often required to combat environmental anomalies?  
Option: Visibility  
Option: Intervention  
Option: Transfer



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Option: Deadline

8. Which structure contains the complete genetic information of an organism?

- Option: Microbial
- Option: Genome
- Option: Enzyme
- Option: Altitude

9. What process involves water infiltrating through small openings?

- Option: Seep
- Option: Transfer
- Option: Breakthrough
- Option: Fragment

10. What is often a critical point that can jeopardize a project?

- Option: Ecosystem
- Option: Fragment
- Option: Deadline
- Option: Robotic

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

11. The spacecraft needed to \_\_\_\_\_ at the station to complete the transfer.

12. The fireball broke apart into several \_\_\_\_\_ that fell to the ground.

13. Operating the robotic system at high altitude can be very \_\_\_\_\_.

14. The \_\_\_\_\_ of microbial life can indicate the health of an ecosystem.

15. Scientists studied the strange \_\_\_\_\_ detected in the data.

16. Researchers discovered a new \_\_\_\_\_ that could improve biological processes.

17. The project required \_\_\_\_\_ to adapt to unforeseen challenges.

18. A significant \_\_\_\_\_ in technology was achieved during the research phase.

19. The study focused on \_\_\_\_\_ interactions within the soil environment.

20. The system was built to be \_\_\_\_\_ under various operational conditions.



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

21. The sky was illuminated by a fireball that streaked across the night.
22. Fog often reduces visibility for drivers on the road.
23. Robotic systems are increasingly used in manufacturing for their precision.
24. The product was certified for safety and effectiveness before it could be sold.
25. Emergency intervention may be necessary in the event of a natural disaster.
26. The rainforest is a rich ecosystem known for its high levels of biodiversity.
27. An ecosystem consists of all living and non-living things in a particular environment.
28. The density of the population influences urban planning and resource management.
29. The scientist ran a simulated experiment to predict the outcome.
30. The research team utilized a supercomputer to analyze vast amounts of data.

**Answer**

**Multiple Choice:** 1. Visibility 2. Robotic 3. Expedition 4. Biodiversity 5. Supercomputer 6. Microscopic  
7. Intervention 8. Genome 9. Seep 10. Deadline

**Gap-Fill:** 11. dock 12. fragments 13. challenging 14. density 15. anomaly 16. enzyme 17. flexibility  
18. breakthrough 19. microbial 20. robust

**Matching sentence:** 1. fireball 2. visibility 3. robotic 4. certified 5. intervention 6. biodiversity 7. ecosystem  
8. density 9. simulated 10. supercomputer

**CATEGORY**

1. Sci/Tech - LEVEL4

**POST TAG**

1. B2
2. bright green fireball
3. ESL learning
4. esl news
5. Level 4
6. meteor



7. Pacific Northwest

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