



NOAA Reports US Experiencing Radio Blackouts Following Another Solar Storm Hit

Description

The sun sent a powerful stream of particles towards Earth, causing blackouts in the U.S. The National Oceanic and Atmospheric Administration reported disruptions across North America around 12:51 pm ET. This solar flare, classified as X8.8, is the strongest in the current cycle that began in 2017. The flare originated from a sunspot, AR 3664, and was equivalent in size to the one responsible for the 1859 Carrington event. Despite rotating out of view, AR 3664 delivered one final blast before disappearing. The particles from the flare have the potential to disrupt communications, satellite systems, and power grids on Earth. The event, called a radiation storm, is driven by magnetic fields from the sun that interact with our planet. This recent solar activity follows NOAA's alert for a severe Geomagnetic Storm Watch, the first in 20 years. Farmers in the American Midwest experienced GPS disruptions, while others witnessed the breathtaking Northern Lights display.

Vocabulary List:

1. **Particles** // (noun): Tiny pieces or elements
2. **Blackouts** // (noun): A sudden loss of electricity
3. **Disruptions** // (noun): Events that interrupt regular flow
4. **Radiation** // (noun): Energy emitted as rays or waves
5. **Magnetic** // (adjective): Related to magnets or magnetism
6. **Disrupt** // (verb): To cause disturbance or disorder

Vocabulary quizzes

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

1. What term is used to describe the moment a rocket leaves the ground?
Option: Launch
Option: Orbit
Option: Detour
Option: Cruise
2. Who is a person trained to travel and work in space?
Option: Pilot



- Option: Astronomer
- Option: Physicist
- Option: Astronaut

3. What term is used to describe a meeting of two spacecraft in orbit?

- Option: Collision
- Option: Rendezvous
- Option: Blastoff
- Option: Detour

4. What word is used to describe a meeting or incident especially a challenging one?

- Option: Retreat
- Option: Escape
- Option: Catch
- Option: Encounter

5. What do we call the emission of energy in the form of waves or particles?

- Option: Illumination
- Option: Conduction
- Option: Radiation
- Option: Attraction

6. What term refers to the people who held a job or position before the current one?

- Option: Heirs
- Option: Inheritors
- Option: Predecessors
- Option: Successors

7. What term describes something that can be seen or is obvious?

- Option: Obstructed
- Option: Hidden
- Option: Transparent
- Option: Visible

8. What word means to expect or look ahead to something with foresight?

- Option: Hesitated
- Option: Anticipated
- Option: Delayed
- Option: Postponed

9. What term refers to disturbances or interruptions in a process or event?

- Option: Enhancements
- Option: Refinements



Option: Corrections

Option: Disruptions

10. Which term means without any imperfections or defects?

Option: Perfect

Option: Damaged

Option: Incomplete

Option: Flawless

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

11. A rocket _____ helps launch a spacecraft into space.

12. The discovery of water on Mars caused a _____ in the scientific community.

13. When a mistake is made it is important to _____ it as soon as possible.

14. During the storm the region experienced frequent power _____.

15. Certain materials are attracted to magnets due to their _____ properties.

16. The new software update _____ the performance of the device.

17. His _____ towards others made it difficult for him to maintain friendships.

18. The study of tiny _____ is essential in understanding the structure of matter.

19. The controversial decision by the government resulted in a severe _____.

20. An _____ is a small rocky body that orbits the Sun.

21. A _____ is an instrument used to view distant objects in space.

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

22. A man-made object placed in orbit around the Earth to collect information.

23. A mistake or error in judgment that can lead to negative consequences.

24. To move troops or equipment into position for military action.



25. Showing approval or support towards a particular outcome or opinion.
26. The path followed by a projectile flying or an object moving under the action of forces.
27. Information or gossip that is passed around but not confirmed as true.
28. The highest point or maximum value of something.
29. To bring into effective action; utilize.
30. To incite or provoke strong reactions or emotions.
31. To prevent something from continuing by causing problems or disturbances.

Answer

Multiple Choice: 1. Launch 2. Astronaut 3. Rendezvous 4. Encounter 5. Radiation 6. Predecessors 7. Visible 8. Anticipated 9. Disruptions 10. Flawless

Gap-Fill: 11. Booster 12. Stir 13. Rectify 14. Blackouts 15. Magnetic 16. Enhanced 17. Insensitivity 18. Particles 19. Backlash 20. Asteroid 21. Telescope

Matching sentence: 1. Satellite 2. Misstep 3. Deploy 4. Favorable 5. Trajectory 6. Rumored 7. Peak 8. Deploy 9. Stir 10. Disrupt

CATEGORY

1. Sci/Tech - LEVEL2

Date Created

2024/05/15

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