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# 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.

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## 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. )**

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| 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



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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

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