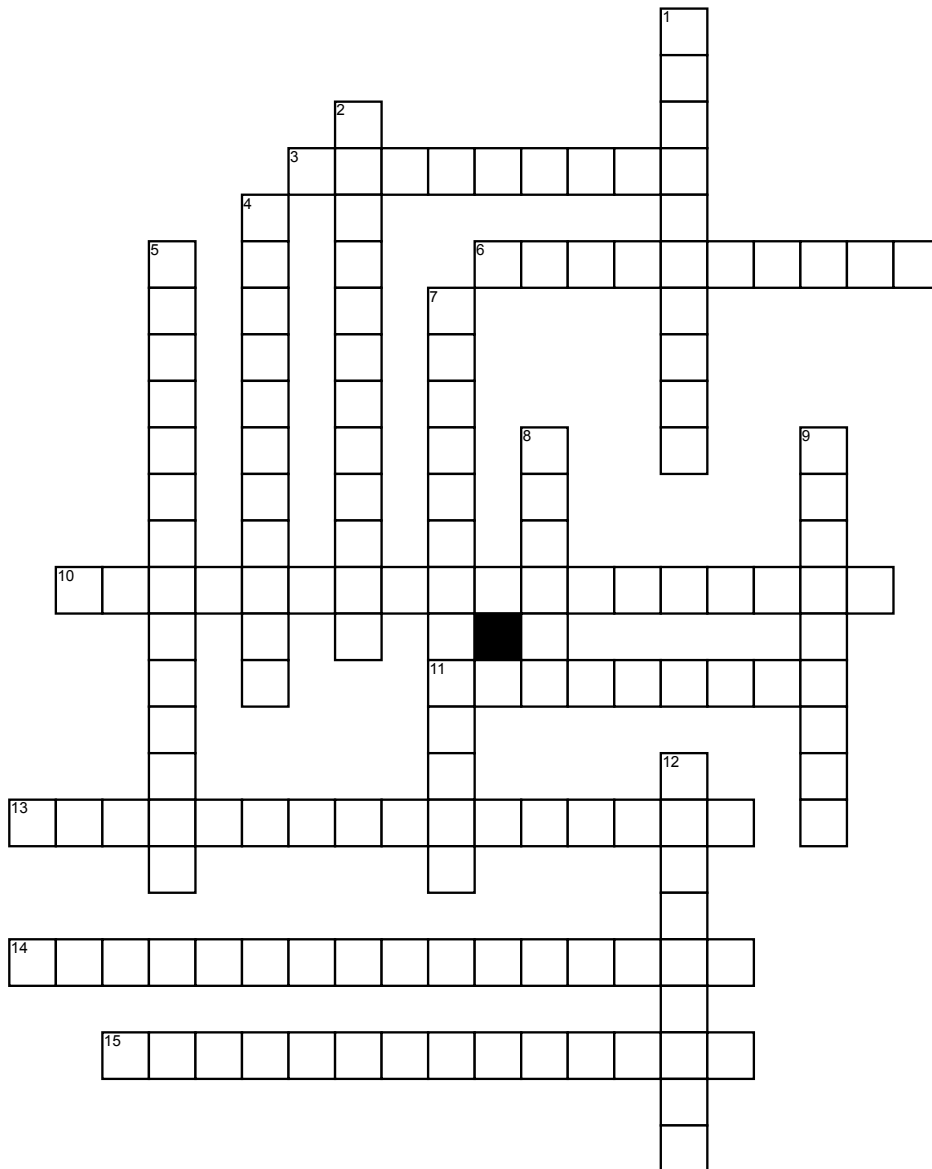


Rainbows and Auroras



Across

3. the intensity of light emitted from a surface per unit area in a given direction

6. the action or process of distributing things or people over a wide area

10. is a color space that specifies colors based on three properties of color hue, value, and chroma

11. the distance between successive crests of a wave, especially points in a sound wave or electromagnetic wave

13. appears outside of a primary rainbow and develops when light entering a raindrop

14. major disturbance of Earth's magnetosphere that occurs when there is a very efficient exchange of energy from the solar wind into the

15. a natural electric phenomenon characterized by the appearance of streamers of reddish and greenish light in the sky

Down

1. the distance between successive crests of a wave, especially points in a sound wave or electromagnetic wave

2. the recurring increase and decrease in the number of sunspots over a period averaging about eleven years.

4. a concentration of atmospheric electric current found in the regions of strong auroral displays and along the magnetic equator.

5. conductor that obeys Ohm's law

7. the broad elongated extension of a planet's magnetosphere on the side away from the sun

8. the rarefied gaseous envelope of the sun and other stars

9. the action of inverting something or the state of being inverted

12. the continuous flow of charged particles from the sun which permeates the solar system