**Solar Radiation Crossword Puzzle**

Across

3. Of the Earth's four spheres, this one is responsible for stopping incoming solar radiation

9. Our sun is an example of this celestial body

11. The element produced by the sun's nuclear reactions

15. The array of the various types of radiation that exist in our universe

16. The sun's \_\_\_\_\_\_ causes objects to orbit it

17. The element the sun uses to fuel its nuclear reactions

18. Solar radiation is converted from light energy into chemical energy during this process

19. The shape of our galaxy

20. Earth's \_\_\_\_\_\_\_\_\_\_ protects us from solar radiation by forcing the particles to move around Earth through space

Down

1. Another term for energy

2. The \_\_\_\_\_\_\_\_\_\_\_ of other stars is measured relative to our sun

4. An object's orbit around the sun

5. The majority of solar radiation that reaches Earth is in this category

6. Nuclear reaction that produces heat when it creates two or more smaller atoms from a larger one

7. Burning of fuel that produces heat by rearranging the same atoms into a different pattern

8. The layer of the atmosphere responsible for stopping most solar radiation

10. A sun-centered solar system

12. Our sun is located inside an arm of this galaxy

13. This type of radiation reaching Earth's surface allows us to communicate with the International Space Station

14. Nuclear reaction that produces heat when it creates a larger atom from two or more smaller ones