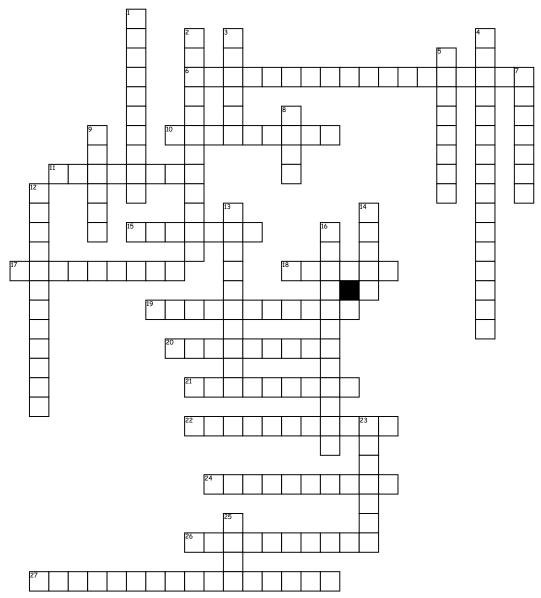
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The Solar System (Chapter 15)



Across

- 6. the name given to the four inner planets; Mercury, Venus, Earth, Mars
- 10. a stream of electrically charged particles that emanate from the sun's corona
- 11. one of the rocky objects revolving around the sun that are too small and numerous to be considered planets
- 15. the central core of an atom which conatins protons and nuetrons OR/ALSO the solid core of a comet
- ${\bf 17.}\,$ a spherical region of comets that surrounds the solar system
- 18. an object that orbits a star, is large enough to have become rounded by its own gravity, and has cleared the area of its orbit
- 19. the system consisting of the sun and the planets and other objects that revolve around it
- 20. a meteoroid that passes through the atmosphere and hits Earth's surface
- 21. a chuck of rock or dust in space, generally smaller than an asteroid

- 22. an object that orbits the sun and is spherical, but has not cleared the area of its orbit
- 24. term describing a model of the universe in which Earth is at the center of the revolving planets and stars
- 26. a huge reddish loop of gas that protrudes from the sun's surface, linking parts of sunspot regions
- 27. a unit of distance equal to the average distance between Earth and the Sun

Down

- 1. an eruption of gas from the sun's surface that occurs when the loops in sunspot regions suddenly connect
- 2. the region of the solar system between the orbits of Mars and Jupiter, where many asteroids are found
- ${f 3}.$ the outer layer of the sun's atmosphere
- 4. the trapping of heat near a planet's surface by certain gases in the planet's atmosphere
- 5. the name often given to the outer planets: Jupiter, Saturn, Uranus, Neptune

- 7. a dark area of gas on the sun's surface that is cooler than surrounding gases
- $\boldsymbol{8}.$ a thin disk of small ice and rock particles surrounding a planet
- 9. a streak of light in the sky produced by the burning of a meteoroid in Earth's atmopshere
- 12. term describing a model of the solar system in which Earth and the other planets revolve around the sun
- 13. a region where many small objects orbit the sun and taht stretches from beyond teh orbit of Neptune to about 100 times Earth's distance from the Sun
- 14. a loose collection of ice and dust that orbits the sun, typically in a long, narrow orbit
- 16. one of the small asteroid-like bodies that formed the building blocks of the planets
- 23. an oval shape, which may be elongated or nearly circular; the shape of the planets' orbits
- 25. the fuzzy outer layer of a comet