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The Solar System (Chapter 15)

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|  |  |  |  |  |  | 9M |  |  L |  | 10S |  O |  L |  A |  R |  W |  I |  N |  D |  |  |  |  |  |  I |  |  H |  |  S |  |
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|  |  |  |  | 11A |  S |  T |  E |  R |  O |  I |  D |  |  |  |  |  G |  |  |  |  |  |  |  |  N |  |  U |  |  O |  |
|  |  |  | 12H |  |  |  E |  |  E |  |  |  B |  |  |  |  |  |  |  |  |  |  |  |  |  T |  |  S |  |  T |  |
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|  |  |  | 27A |  S |  T |  R |  O |  N |  O |  M |  I |  C |  A |  L |  U |  N |  I |  T |  |  |  |  |  |  |  |  |  |  |  |

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| **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**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**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**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 |