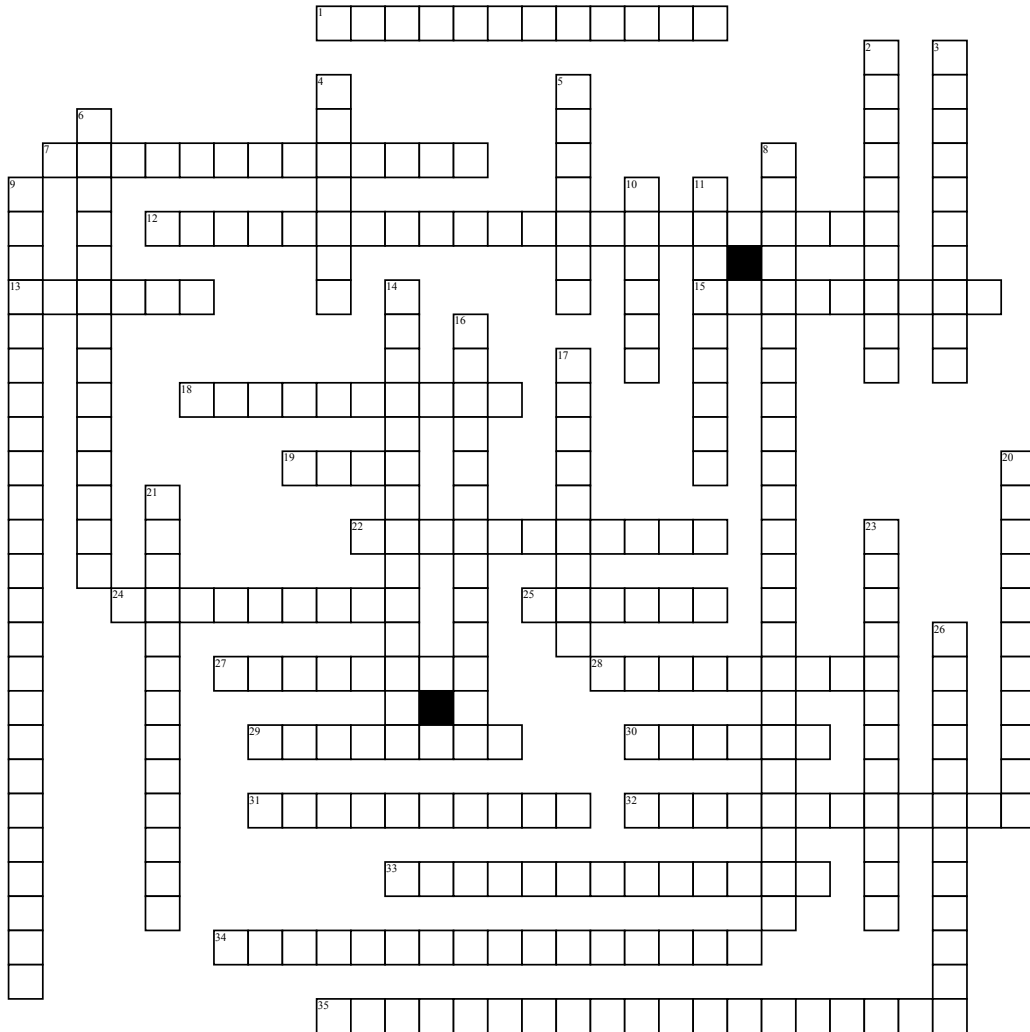


Space Words



Across

- 1. Condition in which the gravitational forces that act on a mass are greatly reduced.
- 7. Process in which the nuclei of atoms fuse together and form larger atoms.
- 12. An observable occurrence relating to astronomy.
- 13. Outermost layer of the Sun, extending beyond the chromosphere for millions of kilometres.
- 15. A natural science that studies celestial objects and phenomena.
- 18. Matter in the Universe that is visible because it does not interact with light or any other kind of radiation.
- 19. The nearest _____ to the Earth is the Sun.
- 22. The gravitationally bound system comprising the Sun and the objects that orbit it.
- 24. Smaller recognizable star patterns within a larger constellation.
- 25. A massive, gravitationally bound system that consists of stars, stellar objects, black holes, and an unknown component of dark matter. Ours is the Milky Way.
- 27. One complete spin of Earth on its axis, which takes almost 24 hours.

28. Star in its first stage of formation.

- 29. All of space and time and its contents, which includes planets, moons, stars, galaxies, the contents of intergalactic space and all matter and energy.
- 30. An astronomical body orbiting a star.
- 31. Apparent reversal of a planet's path relative to the starry backdrop.
- 32. Optical instrument that, like a prism, separates light into its spectral colours.
- 33. Planet's distance from the Sun.
- 34. Is made of a different type of material: rock, gas or ice.
- 35. A device placed in orbit around Earth or other celestial objects.

Down

- 2. Large, often curved, bright stream of particles extending outward from the photosphere into the corona.
- 3. A scientist in the field of astronomy who concentrates their studies on a specific question or field outside the scope of the Earth.
- 4. Day when the hours of daylight and the hours of night are of equal length.

5. Region on the Sun's surface that is cooler than the surrounding areas.

- 6. Day of the year with the longest period of daylight, representing the start of summer.
- 8. Full range of electromagnetic radiation, organized by wave length from very long to very short.
- 9. Energy that travels in waves of varying lengths.
- 10. Large cloud of dust and gas
- 11. Thin but steady stream of subatomic particles flowing out of the Sun's surface in all directions.
- 14. Day of the year with the shortest period of daylight, representing the start of winter.
- 16. Series of dark lines that appears across a star's light spectrum and indicates the chemical elements in the star's composition.
- 17. A unit of length used to express astronomical distances.
- 20. Layer of the Sun usually considered to be the boundary between the inside and the outside of the Sun.
- 21. Orbit in which a satellite orbits Earth at the same rate as Earth rotates.
- 23. Star system with two stars.
- 26. Thin layer of the Sun, lying above the photosphere, and with a red cast to it.

Word Bank

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|----------------------|--------------------------|-----------------|---------------------------|-----------------|
| Solar System | Universe | Sunspot | Astronomical Phenomenon | Solar Wind |
| Microgravity | Electromagnetic spectrum | Galaxy | NEBULA | Astronomer |
| Equinox | Rotation | Astronomy | Spectroscope | Star |
| Spectral Lines | Celestial Objects | Planet | DARK MATTER | Light Year |
| Chromosphere | Corona | NUCLEAR FUSION | GEOSTATIONARY | Photosphere |
| Artificial Satellite | Asterisms | Binary System | Electromagnetic Radiation | Winter solstice |
| protostar | Retrograde | Summer solstice | Prominence | Orbital Radius |