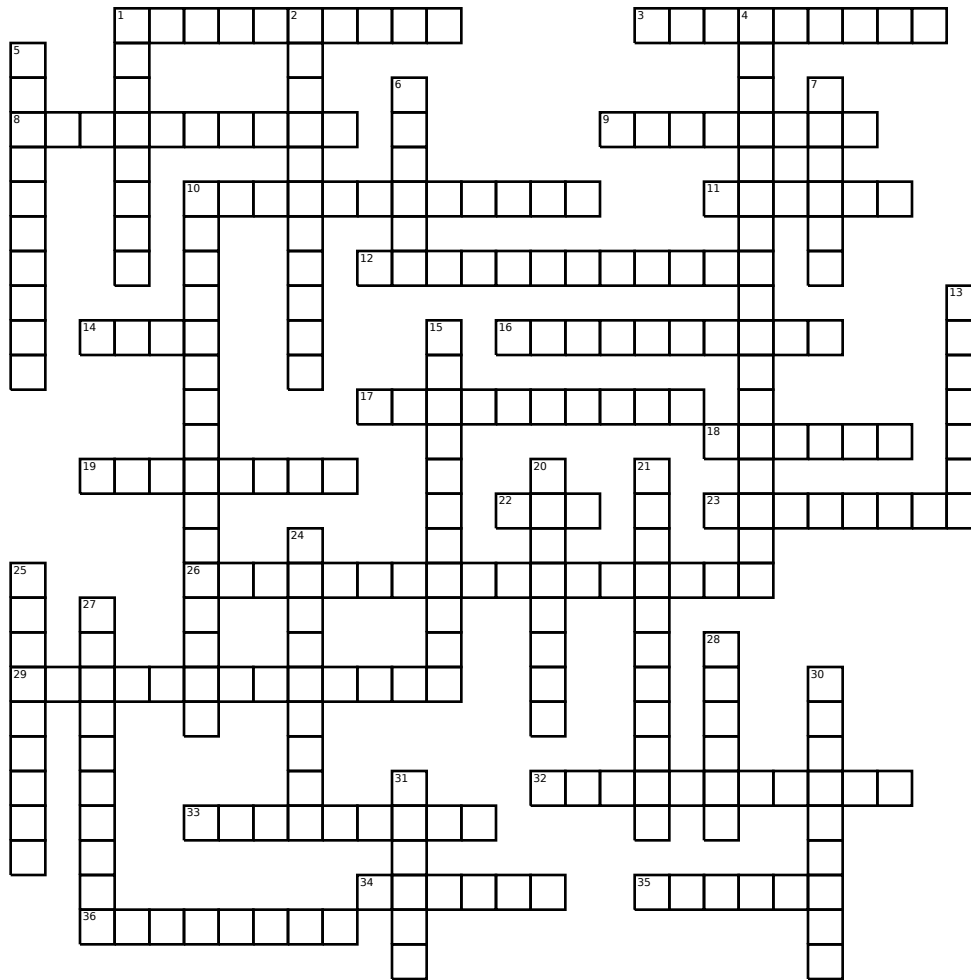


The Sun and Stars



Across

- 1 A loop of plasma above the sun's surface.
- 2 An extremely dense collapsed core of a large star.
- 3 Charged particles streaming out from the sun.
- 4 One way to describe how bright stars actually are.
- 5 A huge explosion on the sun's surface that releases large amounts of x-rays.
- 6 Hot, ionized gas.
- 7 When hydrogen nuclei fuse, this element is formed in the sun's core.
- 8 The true brightness of stars compared to the sun.
- 9 The most common element in the universe - it makes up most of the sun too.
- 10 Stars that vary regularly in their brightness, and can be used as distance indicators.
- 11 The process that powers the sun and most stars.
- 12 Ordinary stars plot in this region of the H-R diagram.
- 13 The star found almost exactly above Earth's north pole.
- 14 The part of the sun where fusion occurs.
- 15 The bubbly appearance of the solar surface
- 16 The hot core of a small, dead star.
- 17 The final stage predicted for our sun.
- 18 The brightest star in the night sky.
- 19 The only way to actually measure the distance to stars.
- 20 A cool, bloated, dying star.
- 21 The bright, visible surface of the sun.
- 22 The color of the coolest stars.
- 23 Dark, cooler areas on the sun's surface.
- 24 The zone of the sun where photons do the random walk from atom to atom.
- 25 How bright stars appear in the sky.
- 26 An object so dense and massive that not even light can escape its gravity.
- 27 The zone of the sun where gases move like boiling water.
- 28 A group of stars that seem to form a picture in the sky.
- 29 An individual bit of light energy.
- 30 A graph that compares the temperature of stars to their luminosity.
- 31 A method for finding stars and constellations using pointer stars.
- 32 The explosion of a large star.
- 33 The sun's outermost atmosphere.
- 34 The group of 12 constellations that are in the background of the ecliptic.
- 35 A neutron star with an energy beam that flashes at us like a lighthouse.
- 36 The plane of the solar system where planets orbit.

Down

- 1 A well-known young star cluster in Taurus.
- 2 An extremely dense collapsed core of a large star.
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