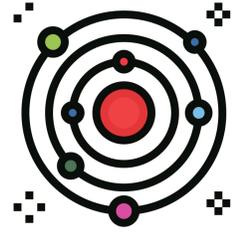


Dyer Observatory Crossword Challenge: Mostly Solar System!



A crossword puzzle grid with 52 numbered starting points for clues. The grid is composed of white squares for letters and grey shaded areas for empty space. The numbers are as follows:

- 1: Down, top right
- 2: Across, top right
- 3: Across, top right
- 4: Across, top right
- 5: Down, top right
- 6: Down, top right
- 7: Down, top right
- 8: Across, top right
- 9: Across, top right
- 10: Across, top right
- 11: Down, top left
- 12: Across, top right
- 13: Down, middle left
- 14: Across, middle left
- 15: Down, middle left
- 16: Down, middle right
- 17: Across, middle left
- 18: Across, middle right
- 19: Down, middle left
- 20: Down, middle left
- 21: Down, middle right
- 22: Across, middle left
- 23: Across, middle right
- 24: Down, middle left
- 25: Across, middle right
- 26: Across, middle left
- 27: Across, middle right
- 28: Down, bottom left
- 29: Across, bottom left
- 30: Across, bottom left
- 31: Across, bottom left
- 32: Across, bottom left
- 33: Down, bottom right
- 34: Across, bottom left
- 35: Across, bottom left
- 36: Across, bottom left
- 37: Across, bottom left
- 38: Across, bottom left
- 39: Across, bottom left
- 40: Down, bottom left
- 41: Down, bottom left
- 42: Down, bottom left
- 43: Across, bottom left
- 44: Down, bottom left
- 45: Down, bottom left
- 46: Across, bottom left
- 47: Across, bottom left
- 48: Across, bottom left
- 49: Across, bottom left
- 50: Across, bottom left
- 51: Across, bottom left
- 52: Across, bottom left

Across

- 2 Temp at which the motion of all atoms and molecules stops
- 8 Name of a distant "cloud"
- 9 Night hunter (constellation)
- 14 "Cloud" where stars form
- 16 Second-lightest and abundant element
- 17 Our closest star
- 18 Dirty ball of ice with a vapor tail
- 22 Second full moon in a single month
- 23 Largest object in the main asteroid belt.
- 24 Lightest of the solid elements
- 26 Fragment of rock or metal from space that falls to Earth's surface
- 27 Dog star
- 29 After the Sun, the closest star to Earth
- 32 "Sea" on the Moon made of volcanic basalt
- 34 "Bear" when naming a constellation
- 35 The university that Dyer is a part of
- 37 A unit of work or energy
- 38 Lowest point
- 43 Gas giant 43 light-minutes from the Sun
- 46 Most abundant and lightest element in the universe
- 48 Total or partial blocking of one celestial body by another
- 50 Ice giant whose only visitor was Voyager 2
- 51 Pluto's partner
- 52 Large grouping of stars, ours is spiral

Down

- 1 It is still a (type of) planet!
- 3 System of two stars that revolve around a common center of gravity
- 4 Point in the sky from where a meteor shower seems to originate
- 5 Narrow stream of gas or particles
- 6 "New" explosion
- 7 Electromagnetic radiation
- 10 Can't have salt without it. Atomic number 11.
- 11 Dyer's first director and a class of galaxies
- 12 Tool to see the stars
- 13 Outer edge of a planet
- 15 Space telescope model that hangs in the Dyer library
- 19 On Earth, you breathe it: 78% N, 21% O, 0.9% Ar, and 0.1 percent other gases
- 20 Event around March 21 or Sept 21
- 21 Measure of the amount of matter in an object, is constant in all circumstances
- 23 Remnant of a meteorite strike
- 25 3.14...
- 27 Ringed beauty that takes 29 Earth years to orbit the Sun
- 28 Dyer Observatory's town
- 30 Minor rocky planets left over from the early formation of our solar system
- 31 Ice giant that rotates on its side
- 33 Fifth largest planet in our solar system with one moon
- 36 Most volcanic moon
- 39 Namesake of Vanderbilt's observatory
- 40 High-latitude light display
- 41 It houses the Seyfert
- 42 Fastest of our solar system planets
- 44 "major disorder" or planetary feature of broken terrain
- 45 Dyer Observatory's outreach astronomer
- 47 Heavy metal. Often makes up meteorites.
- 49 When water or gas such as methane or ammonia is in a solid state