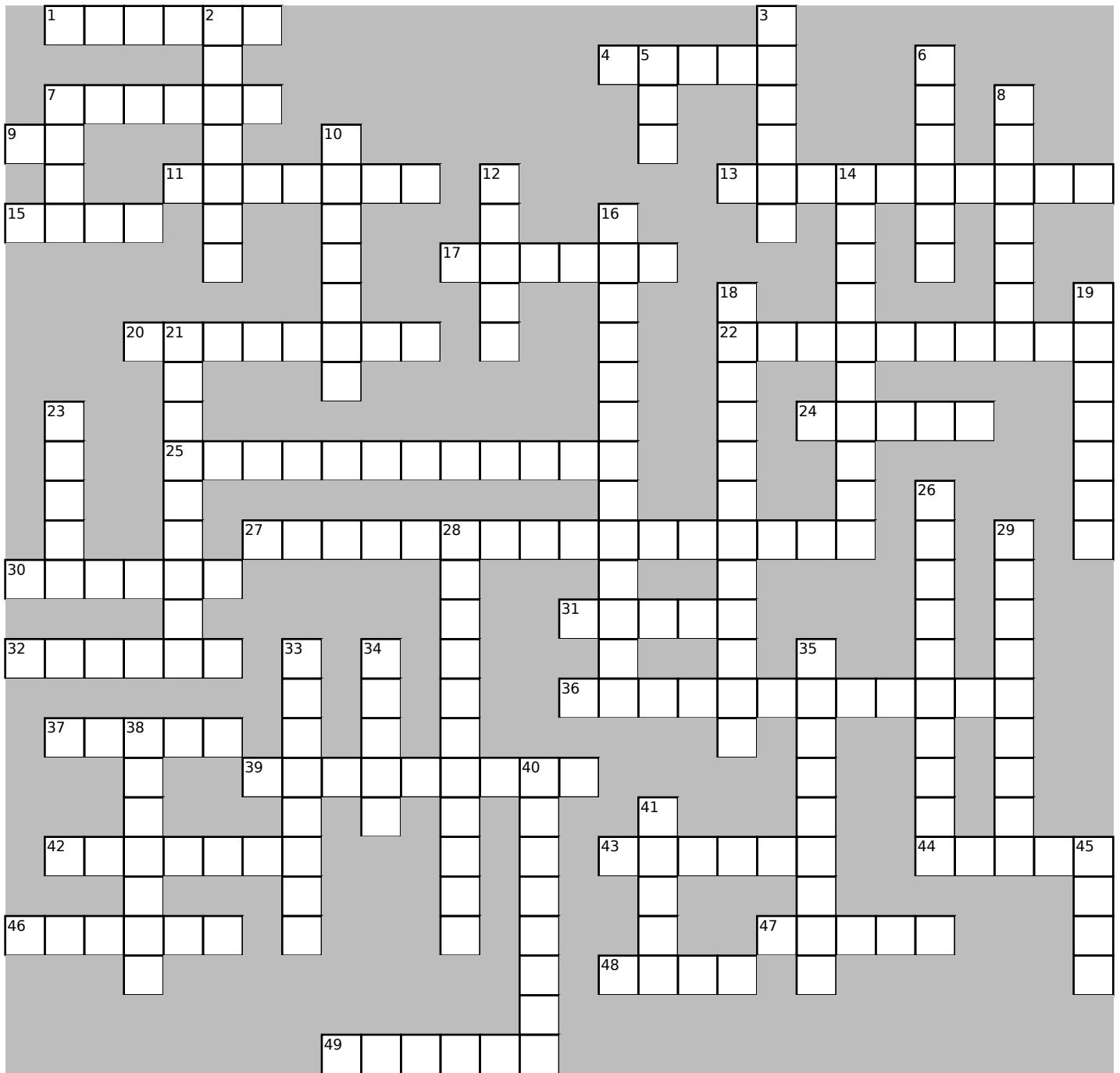


The Solar System



Across

- 1 One of Jupiter's moons that may have a large, liquid water ocean under its icy crust.
- 4 The Danish astronomer who built the world's most advanced observatory, before the telescope. His nose was gold, his house pet was a moose, and his best friend was a dwarf who lived under the dining room table.
- 7 Pluto's largest moon.
- 9 The most volcanic object known - one of Jupiter's moons.
- 11 The farthest official planet from the sun.
- 13 Earth centered.
- 15 The planet with the largest volcano in the solar system.
- 17 The groups of asteroids that share Jupiter's orbit.
- 20 The largest known moon of all, which orbits the largest planet.
- 22 The apparent backward motion of the planets.
- 24 Saturn's largest moon, with a thick nitrogen atmosphere and methane lakes.
- 25 What Venus' clouds are made of.
- 27 The most dangerous asteroids.
- 30 Astronomers think of these as giant ``dirty snowballs.''
- 31 Saturn has the best.
- 32 Earth is the only planet to have a large amount of this gas in its atmosphere.
- 36 Sun centered.
- 37 The hottest planet.
- 39 A meteoroid that lands on a planet or moon.
- 42 He discovered Venus has phases, the sun has spots, and that there are moons around Jupiter.
- 43 A shooting star.
- 44 The forces that cause Io to be so volcanic.
- 46 The least dense planet.
- 47 Saturn is the __ planet from the sun.
- 48 This part of a comet is shaped by the solar wind.
- 49 A moon of Mars.

Down

- 2 He believed planets moving in epicycles around Earth. His model was widely accepted for 1500 years.
- 3 He showed that planets travel in elliptical orbits around the sun, along with 2 other planetary laws of motion.
- 5 Mars is often called the ___ planet.
- 6 This planet's axis is so tilted, it appears to roll around the sun on its side.
- 7 A comet's atmosphere that surrounds the nucleus.
- 8 Uranus' messed-up moon.
- 10 The largest planet, with the greatest number of known moons.
- 12 The largest inner planet.
- 14 This Polish astronomer believed that the Earth orbited the sun.
- 16 Most of the atmospheres of Venus and Mars are made of this ``greenhouse" gas.
- 18 A huge storm on Jupiter.
- 19 The planet that looks most like Earth's moon.
- 21 Ancient Greek who thought it was common sense that the sun orbited the Earth.
- 23 The first Kuiper belt object to be discovered.
- 26 The place where Pluto and many others like it orbit.
- 28 Ancient Greek who thought the Earth orbited the sun.
- 29 The hypothetical shell of comets around the far outer reaches of the solar system.
- 33 A rocky object, smaller than a planet, orbiting the sun.
- 34 The dwarf planet that orbits the sun in the asteroid belt.
- 35 Small rocky or icy particles orbiting the sun.
- 38 The only part of a comet when it's far from the sun.
- 40 Bits of glass formed when blobs of molten rock from meteorite collisions solidify as they fall back to Earth.
- 41 The largest known asteroid.
- 45 Earth is the only place in the universe known to have this.