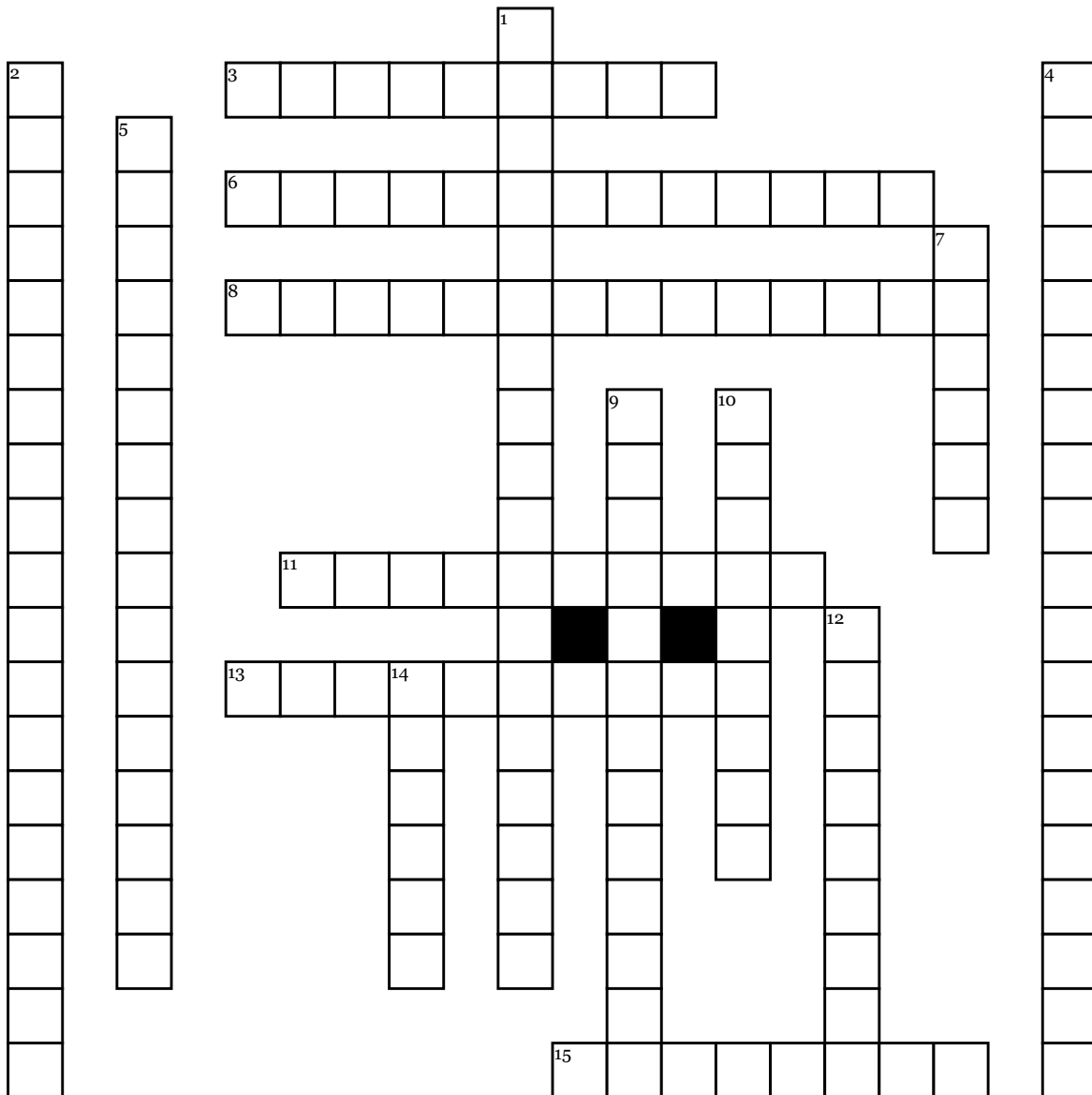


# 4th 9 Weeks Vocabulary Project



## Across

- 3.** An optical instrument designed to make distant objects appear nearer.
- 6.** A telescope designed to detect sources of x-rays.
- 8.** An instrument used to collect radio emissions from the sky.
- 11.** The brightness of a celestial object.
- 13.** The quality or state of giving out or reflecting light.
- 15.** All existing matter and space.

## Down

- 1.** A mathematical expression used to represent a decimal number between 1 and 10 multiplied by ten, so write in large numbers using less digits.
- 2.** A telescope that uses a converging lens to collect light.
- 4.** A telescope in which a mirror is used to collect light and focus light.
- 5.** A telescope that uses infrared light to detect celestial bodies.

- 7.** A cloud of gas and dust in outer space that is visible in the night sky.
- 9.** A group of stars forming a recognizable pattern.
- 10.** A contracting mass of gas that represents an early stage in the formation of a star.
- 12.** A unit of astronomical distance equivalent to the distance that light travels in one year.
- 14.** A system of millions and billions of stars and what orbits them held together by gravitational force.