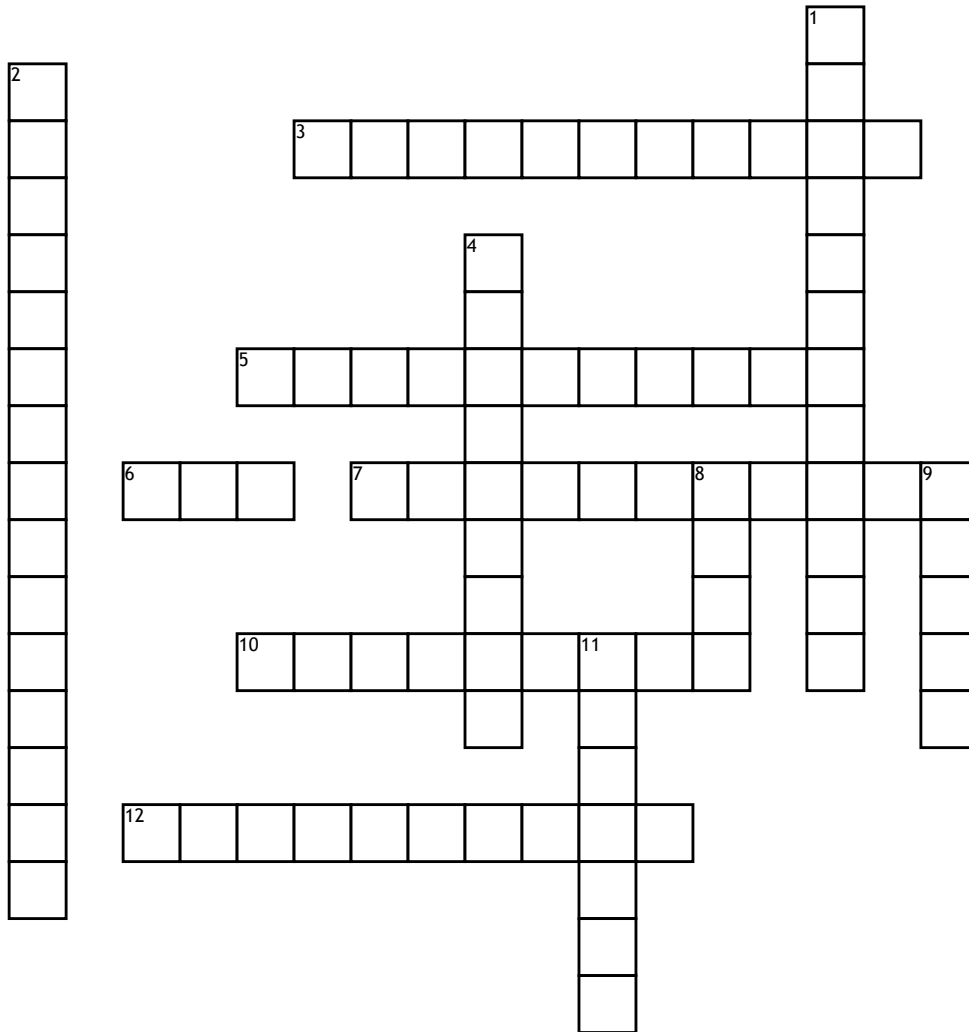


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# solar system



## Across

3. axial tilt is the angle between a planet's rotational axis at its north pole and a line perpendicular to the orbital plane of the planet.

5. the distance light travels in a vacuum in one minute; approximately 18 million kilometers.

6. each of the twenty-four-hour periods, reckoned from one midnight to the next, into which a week, month, or year is divided, and corresponding to a rotation of the earth on its axis.

7. the collection of eight planets and their moons in orbit round the sun, together with smaller bodies in the form of asteroids, meteoroids, and comets.

10. - is a unit of length used to express astronomical distances and measures about 9.46 trillion kilometers or 5.88 trillion miles.

12. having or representing the earth as the center, as in former astronomical systems.

## Down

1. having or representing the sun as the center, as in the accepted astronomical model of the solar system.

2. the plane perpendicular to the spindle of a dividing cell and midway between the poles.

4. an artificial body placed in orbit round the earth or moon or another planet in order to collect information or for communication.

8. - the time taken by the earth to make one revolution around the sun.

9. a three-dimensional representation of a person or thing or of a proposed structure, typically on a smaller scale than the original.

11. a regular oval shape, traced by a point moving in a plane so that the sum of its distances from two other points (the foci) is constant, or resulting when a cone is cut by an oblique plane which does not intersect the base

## Word Bank

Model

Satellite

Equatorial plane

Geocentric

day

Ellipse

year

planets tilt

Heliocentric

Solar system

light minute

light year