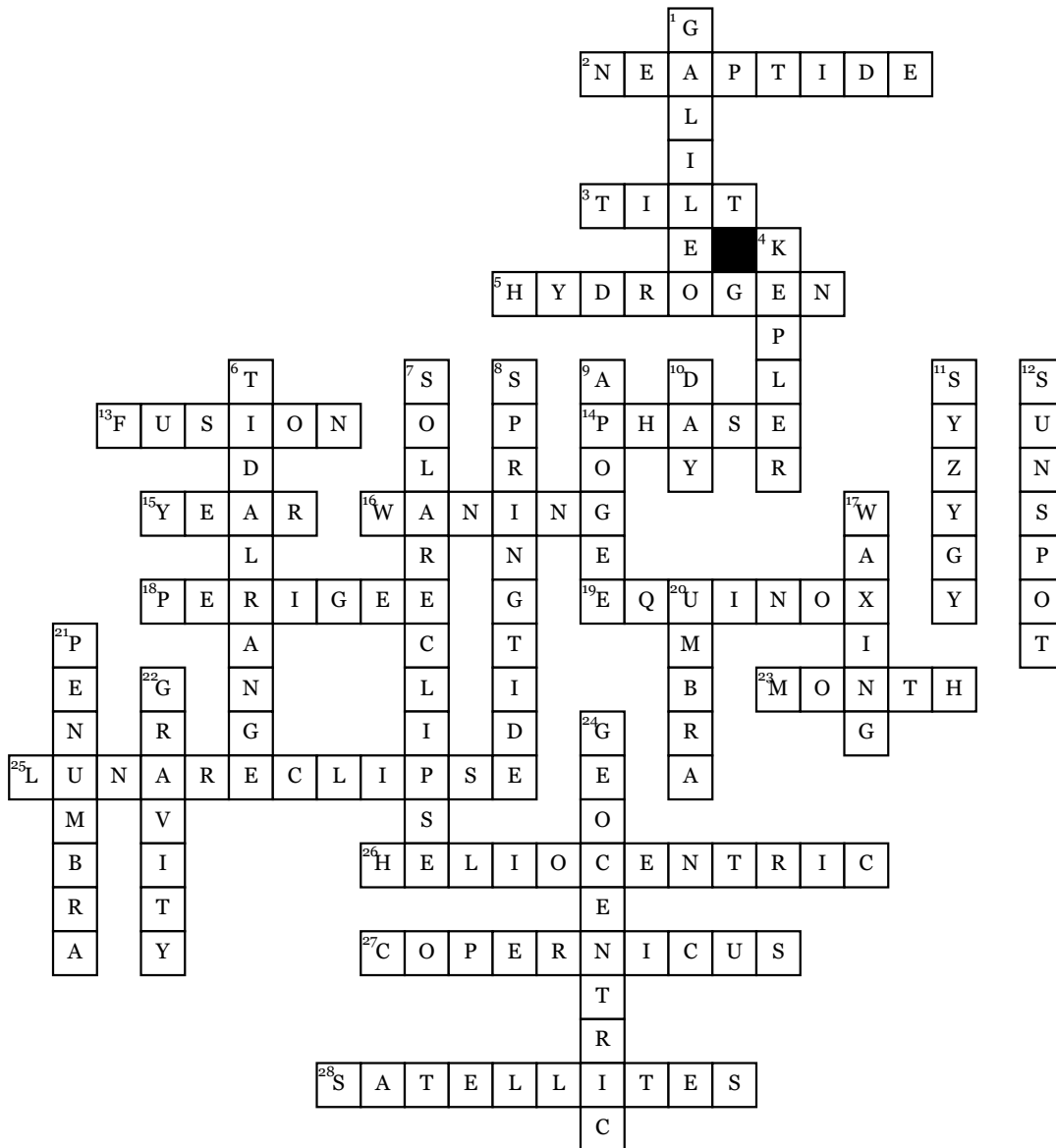


Earth, Moon, and Sun Vocab



Across

2. a tide of minimum range that occurs during the first and third quarters of the moon
3. the Earth's axis partly on its side, partly upright
5. a colorless, odorless, highly flammable gas
13. the process in which light nuclei combine at extremely high temperatures, forming heavier nuclei and releasing energy
14. in astronomy, the change in the illuminated area of one celestial body as seen from another celestial body; phases of the moon are caused by the changing positions of the Earth, the sun, and the moon
15. the time required for the Earth to orbit once around the sun
16. the phase of the moon during which the moon's sunlit area as seen from Earth is decreasing; the phase after the full moon and before the new moon
18. in the orbit of a satellite, the point at which the satellite is closest to Earth
19. the moment when the sun appears to cross the celestial equator

23. a division of the year that is based on the orbit of the moon around the Earth

25. the passing of the moon through the Earth's shadow at full moon

26. sun-centered

27. offered a new theory that the sun is at the center of the universe

28. a natural or artificial body that revolves around a planet

Down

1. used a telescope to find craters and mountains on the Earth's moon, four of Jupiter's moon, sunspots on the sun, and the phases of Venus

4. concluded that all the planets revolve around the sun and stated the three laws of planetary motion

6. the difference in levels of ocean water at high tide and low tide

7. the passing of the moon between Earth and the sun; the shadow of the moon falls on Earth

8. a tide of increased range that occurs two times a month, at the new and full moons

9. in the orbit of a satellite, the point at which the satellite is farthest from Earth

10. the time required for Earth to rotate once on its axis

11. a conjunction or opposition of the moon with the sun.

12. dark area of the photosphere of the sun that is cooler than the surrounding areas and that has a strong magnetic field

17. the phase of the moon during which the moon's sunlit area as seen from Earth is increasing; the phase after the new moon and before the full moon

20. a shadow that blocks sunlight, such as the conical section in the shadow of the Earth or the moon

21. the outer part of the shadow cast by the Earth or the moon in which sunlight is only partially blocked

22. a force of attraction between objects that is due to their masses and that decreases as the distance between the objects increases

24. describes something that uses the Earth as the reference point