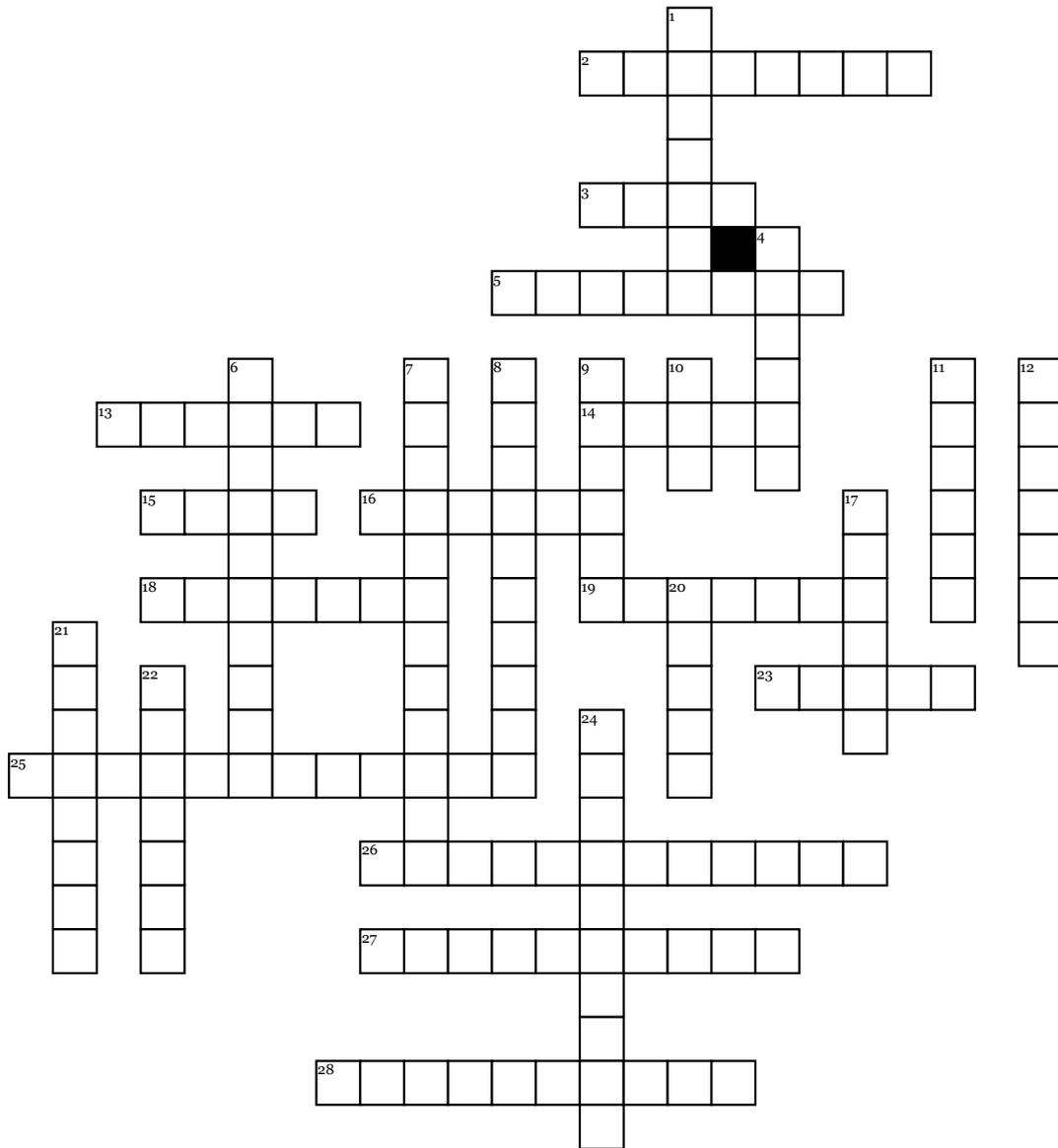


# Earth, Moon, and Sun Vocab



**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