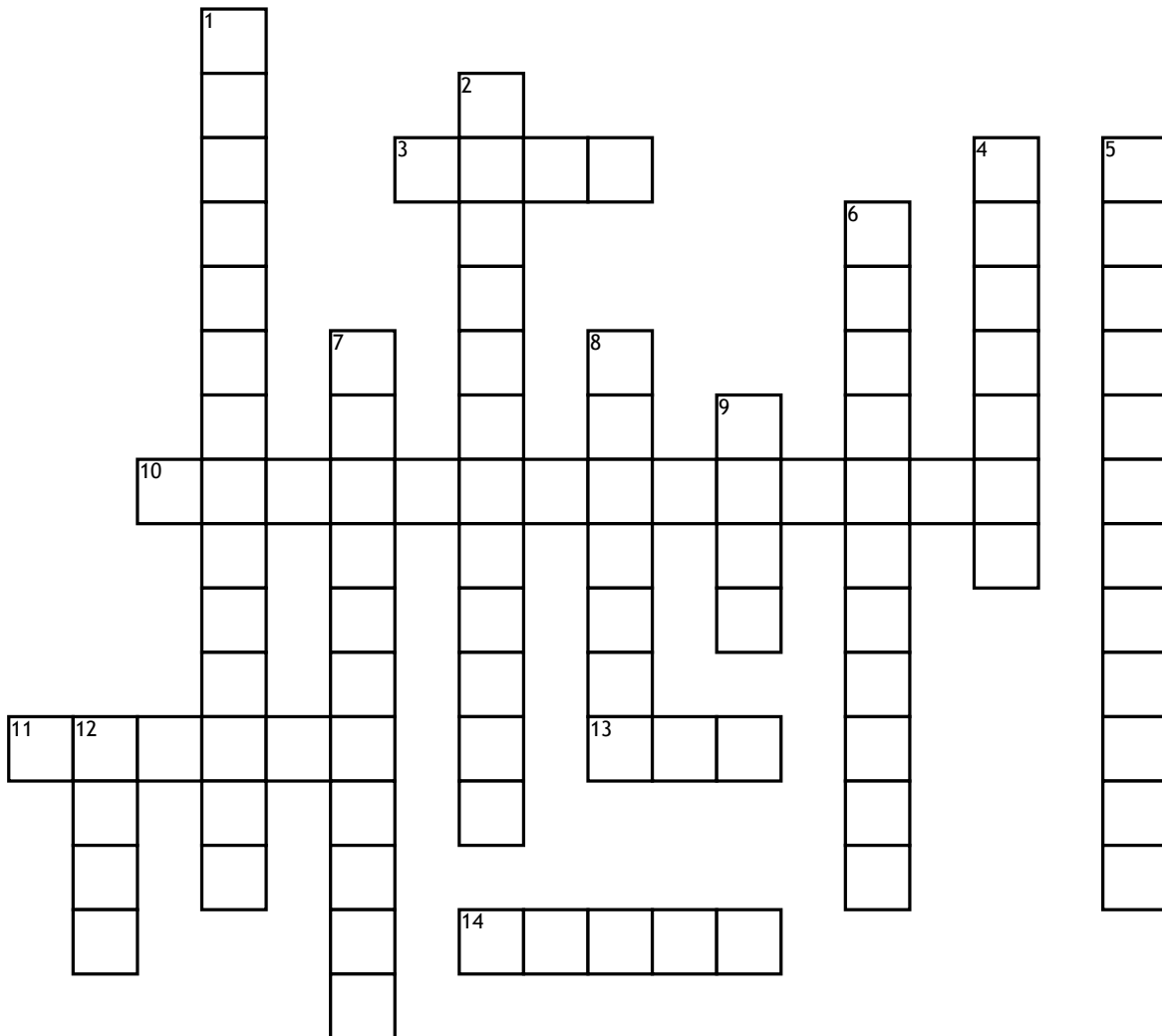


Sun-Earth-Moon System



Across

3. a celestial body that revolves around a planet

10. a phenomenon or process that involves multiple steps and repeats itself

11. a large grouping of stars in space

13. the luminous star around which Earth and other planets revolve

14. a curved path followed by a satellite as it revolves around an object

Down

1. the galaxy in which Earth and the Sun are located

2. the Moon passes between Earth and the Sun, covering all or part of the Sun; occurs when the Sun, Earth, and Moon directly line up; lasts for less than 12 minutes.

4. an obscuring of the light from a celestial body by the passage of an object between the celestial body and the observer or between the celestial body and its source of illumination

5. the full moon passes into Earth's shadow, causing the Moon to appear reddish in color when the Sun, Earth, and Moon directly line up; lasts 1-3.5 hours

6. the shape of the illuminated portion of the Moon as seen by an observer, usually viewed from Earth.

7. the Sun and the group of planets and other celestial bodies that are held by their gravitational attraction and revolve around the Sun.

8. the four natural divisions of the year based on changes of temperature

9. a self-luminous celestial body

12. imaginary line through Earth that extends from the North Pole to the South Pole and is the center of Earth's rotation