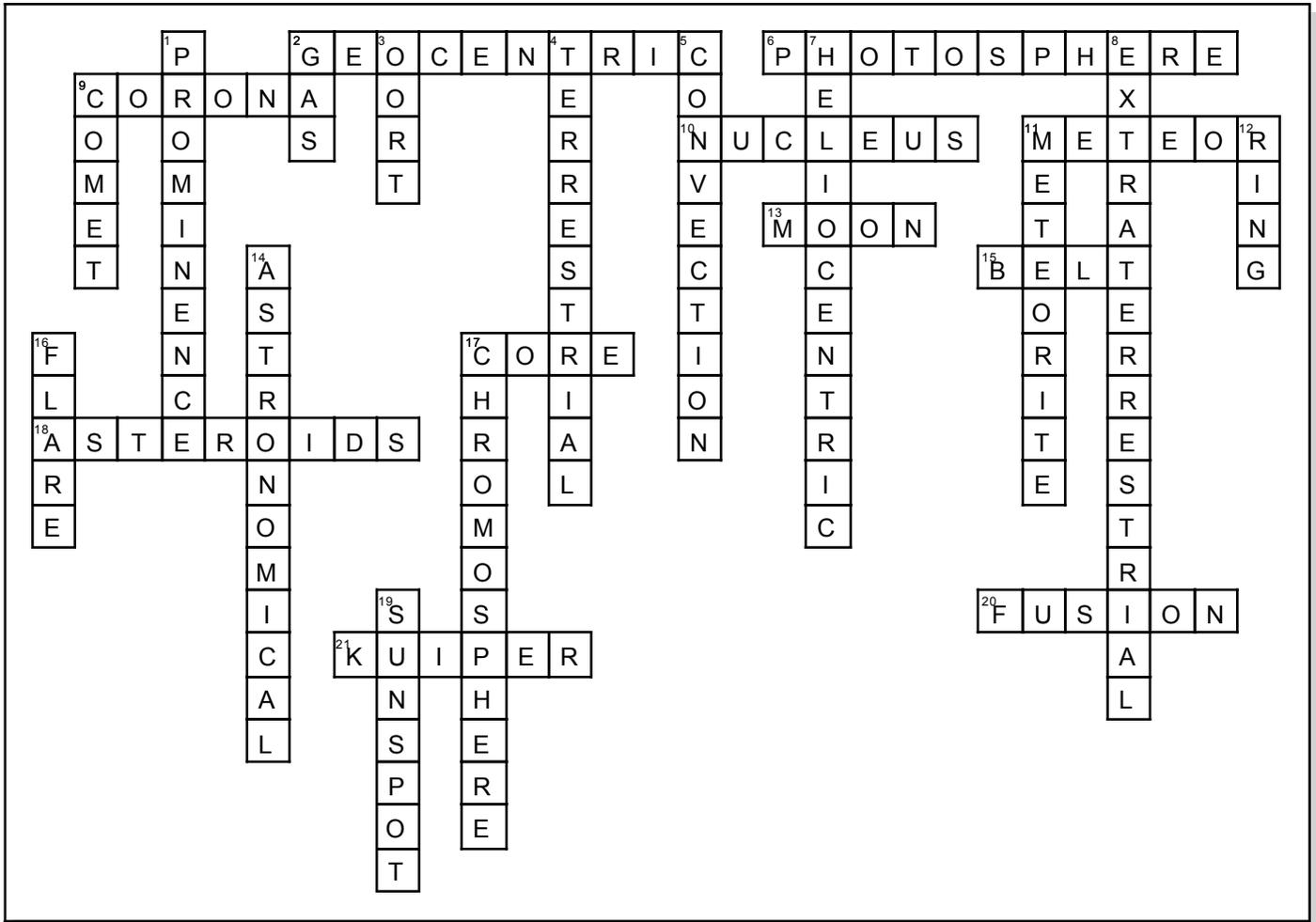


Chapter 14 The Solar System

Instructions: Complete the crossword puzzle. Use the clues to help identify the words.



Across

2. A model of the universe in which Earth is at the center of the revolving planets and stars.
6. The inner layer of the sun's atmosphere that gives off its visible light
9. The outer layer of the sun's atmosphere.
10. The central core of the atom or the solid inner core of a comet.
11. A streak of light in the sky produced by the burning of a meteoroid in Earth's atmosphere.
13. A natural satellite that revolves around a planet.
15. asteroid ____: The region of the solar system, between the orbits of Mars and Jupiter, where many asteroids are found.
17. The central region of the sun, where nuclear fusion takes place.
18. Rocky objects revolving around the sun that are too small and numerous to be considered planets.
20. nuclear ____: The process by which hydrogen atoms join together in the sun's core to form helium.

21. ____ belt: A doughnut shaped region that stretches from beyond Neptune's orbit to about 100 times Earth's distance from the sun.

Down

1. A huge, reddish loop of gas that protrudes from the sun's surface, linking parts of sunspot regions.
2. ____ giants: The name often given to the first four outer planets: Jupiter, Saturn, Uranus, and Neptune.
3. ____ cloud: A spherical region of comets that surrounds the solar system.
4. ____ planets: The name often given to the four inner planets: Mercury, Venus, Earth, and Mars.
5. ____ zone: The outermost layer of the sun's interior.
7. A model of the solar system in which Earth and the other planets revolve around the sun.
8. ____ life: Life that exists other than that on Earth.
9. A loose collection of ice, dust, and small rocky particles, typically with a long, narrow orbit.
11. A meteoroid that passes through the atmosphere and hits Earth's surface.
12. A thin disk of small ice and rock particles surrounding a planet.
14. ____ unit: A unit of measurement equal to Earth's average distance from the sun, about 150 million kilometers.
16. solar ____: An eruption of gas from the sun's surface that occurs when the loops in sunspot regions suddenly connect.
17. The middle layer of the sun's atmosphere.
19. A dark area of gas on the sun's surface that is cooler than surrounding gases.