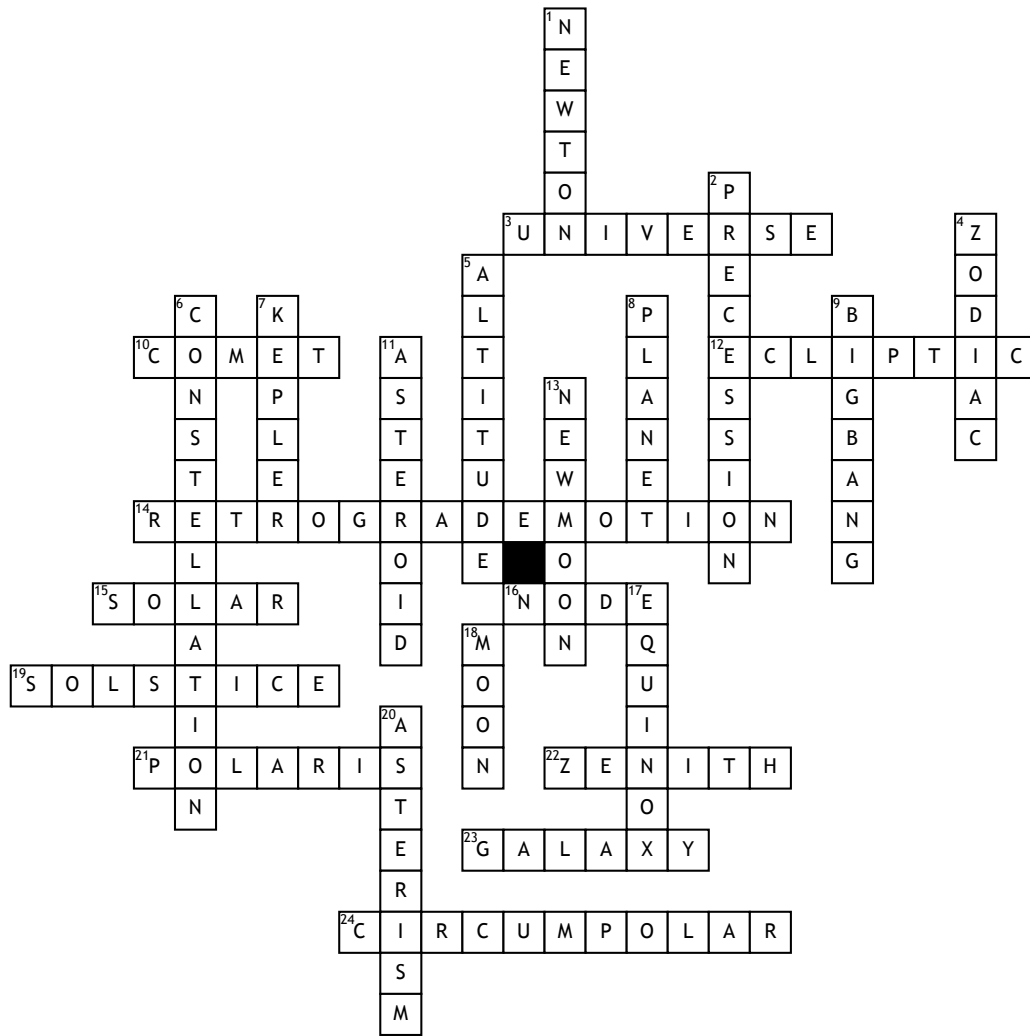


Name: _____

Date: _____

CH 1-4 Summary



Across

3. a. The sum total of all matter and energy
 10. A relatively small and icy object orbiting a star
 12. a. The Sun's apparent annual path around the celestial sphere
 14. a. A loop in a planet's apparent path during which it seems to change course.
 15. The star system that Earth belongs to
 16. A point at which the Moon crosses Earth's orbital plane
 19. a. The longest or shortest day of the year
 21. It is the North Star

22. The point on the sky directly overhead from observer
 23. A great island of stars in space
 24. a. Stars that are visible in the local sky on any clear night of the year, at any time of the night

Down

1. He discovered laws of motion and gravity
 2. Gradual wobble altering the orientation of Earth's axis in space
 4. a. Constellations along the ecliptic
 5. a. The distance from the horizon to an object in the sky
 6. A region of the sky with well-defined borders.

7. He found the planetary motion
 8. Moderately large object orbiting a star
 9. a. The event that marked the beginning of the expansion of the universe
 11. A relatively small and rocky object orbiting a star
 13. A moon phase that is quite near the Sun in the sky, so cannot see it
 17. a. First day of spring or fall
 18. An object orbiting a planet
 20. a. A pattern of stars that may span several constellations.

Word Bank

Altitude
 Ecliptic
 asteroid
 Big Bang
 planet

Circumpolar
 comet
 newton
 constellation
 Retrograde Motion

Node
 Equinox
 Zodiac
 Asterism
 Solstice

precession
 galaxy
 moon
 kepler
 newmoon

solar
 Universe
 zenith
 Polaris