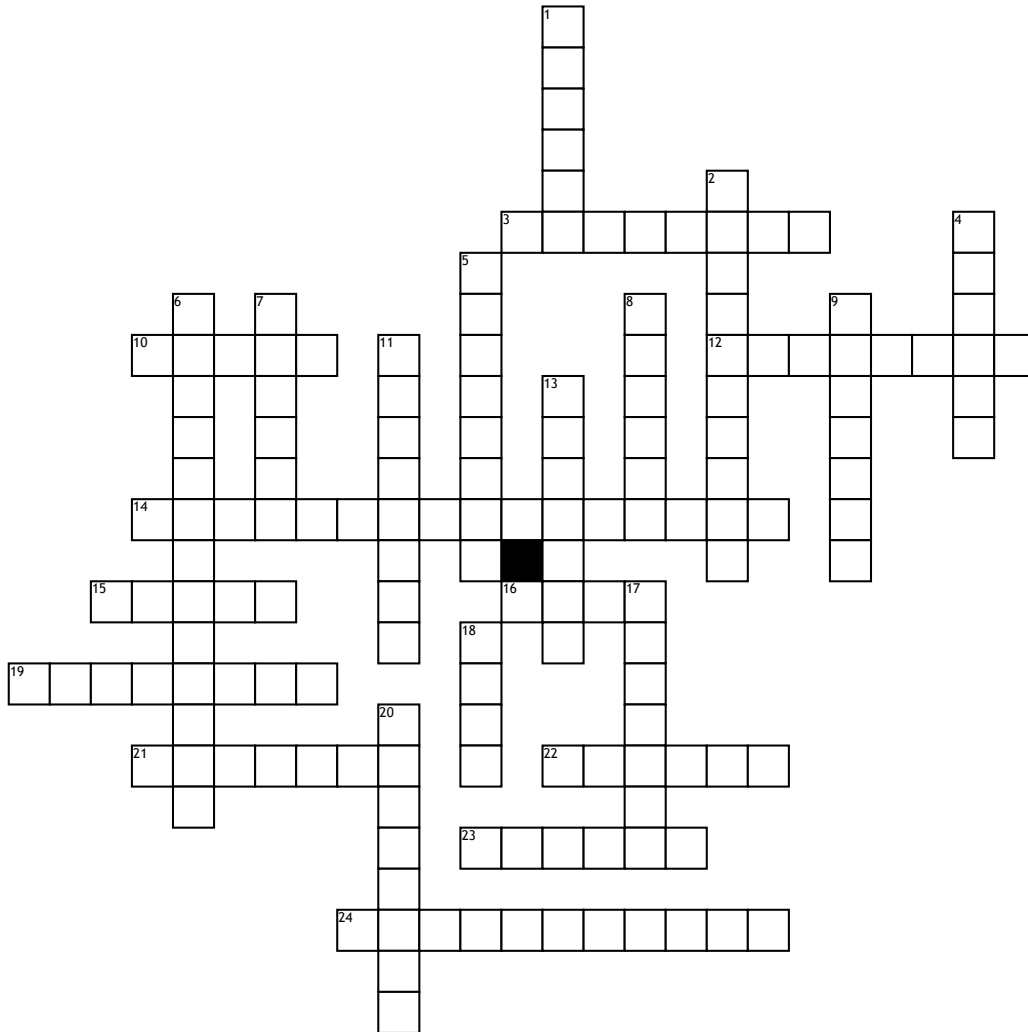


Name: \_\_\_\_\_

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

Asterism	Polaris	Zodiac	zenith	moon
galaxy	Big Bang	constellation	newton	Solstice
solar	Circumpolar	Equinox	Retrograde Motion	Universe
planet	asteroid	newmoon	Altitude	comet
precession	kepler	Ecliptic	Node	