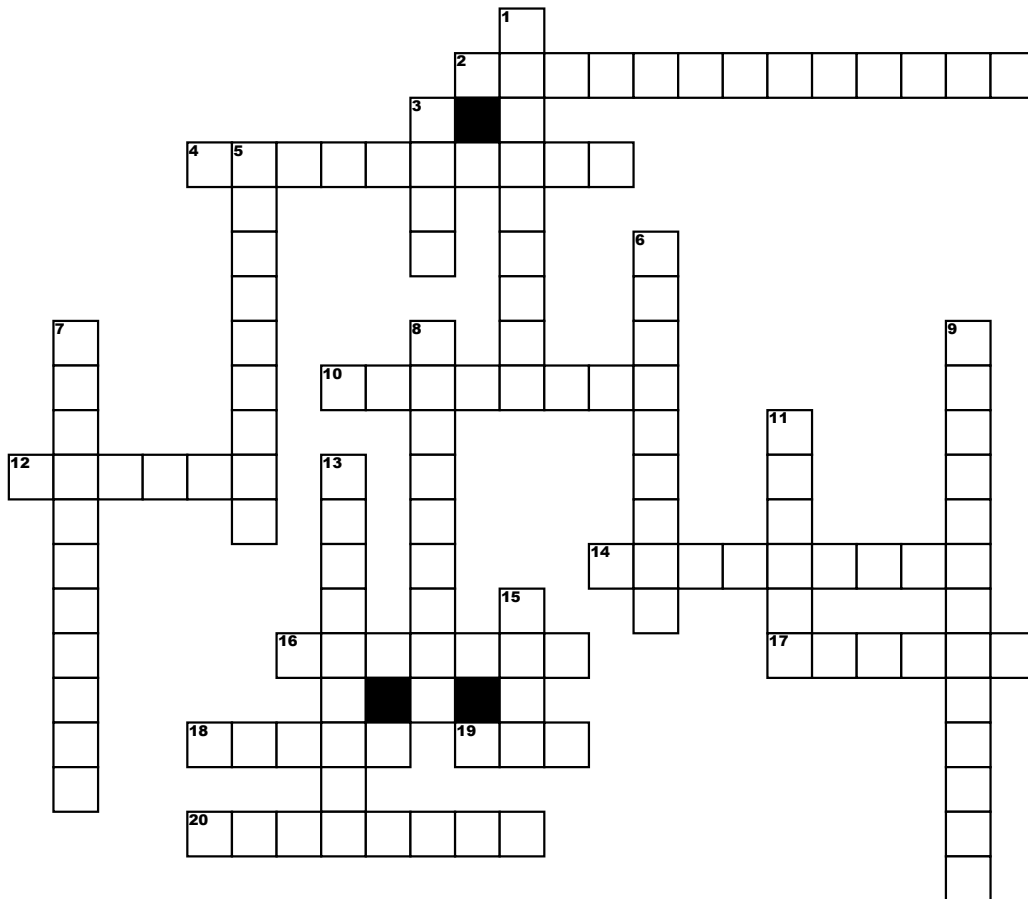


# CHAPTER 5 STARS AND GALAXIES



## Across

2. Star closest to the sun  
 4. An oval shaped galaxy  
 10. All of the galaxies together make up the \_\_\_\_\_.  
 12. A galaxy shape that resembles a pinwheel  
 14. The brightness of a star is called absolute or apparent \_\_\_\_\_.  
 16. The North Star  
 17. A cloud of dust and gas  
 18. The color of the hottest star

19. The color of the coolest stars  
 20. The 2 major elements in a star are helium and \_\_\_\_\_.

## Down

1. A large region in space with intense gravity through which no light escapes  
 3. A glowing ball of hot gas that emits its own energy and light  
 5. The birth, growth, and death of a star are called its \_\_\_\_\_.

6. A galaxy with no particular shape  
 7. A star's color depends on its \_\_\_\_\_.

8. Unit to measure star distances  
 9. Pattern of stars in the sky  
 11. The nuclear reaction inside stars that produces energy  
 13. A young, developing star that does not yet emit light  
 15. The sun is approximately \_\_\_\_\_ (number) billion years old.

## Word Bank

- |            |            |                |               |            |
|------------|------------|----------------|---------------|------------|
| Elliptical | Spiral     | Alpha centauri | Constellation | Nebula     |
| Fusion     | Black Hole | Temperature    | Protostar     | Irregular  |
| Star       | Hydrogen   | Magnitude      | White         | Red        |
| Polaris    | Universe   | Light Year     | Five          | Life Cycle |