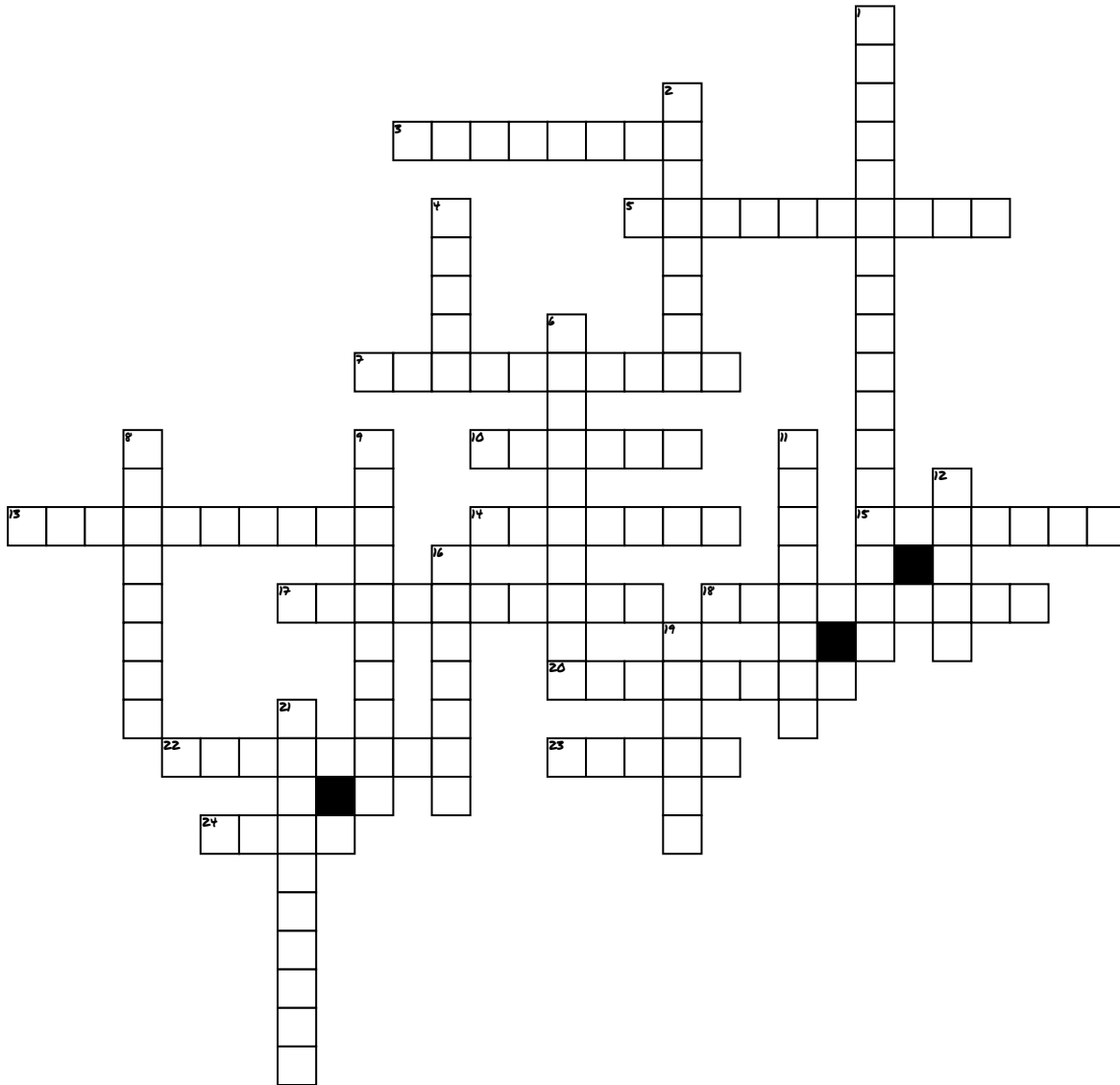


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# SPACE LAYERS



## ACROSS

3. THE TWO DAYS OF THE YEAR ON WHICH THE SUN REACHES ITS GREATEST DISTANCE NORTH OR SOUTH OF THE EQUATOR
5. WHEN THE TIDAL RANGE IS GREATEST. (FULL MOON AND NEW MOON)
7. THE CENTER OF MASS OF TWO OR MORE BODIES ORBITING AROUND EACH OTHER
10. THE POINT IN AN ORBIT MOST DISTANT FROM THE BODY BEING ORBITED; THE HIGHEST POINT
13. OVAL-SHAPED, CURVED
14. THE TWO DAYS OF THE YEAR ON WHICH NEITHER HEMISPHERE IS TILTED TOWARD OR AWAY FROM THE SUN
15. POINT IN AN ORBIT THAT IS CLOSEST TO THE EARTH

17. A SLOW MOTION OF EARTH'S AXIS THAT TRACES OUT A CONE OVER A PERIOD OF 26,000 YEARS

18. AN OBJECT THAT REVOLVES AROUND ANOTHER OBJECT IN SPACE

20. THE WOBBLING OF EARTH'S AXIS DURING PRECESSION, CAUSED BY THE MOON'S GRAVITATIONAL PULL ON EARTH.

22. POINT IN A PLANET'S ORBIT THAT IS FARTHEST FROM THE SUN

23. RELATING TO THE MOON

24. AN IMAGINARY LINE THROUGH A BODY, ABOUT WHICH IT ROTATES.

## DOWN

1. THE FORCE OF ATTRACTION THAT KEEPS PLANETS MOVING IN A CIRCULAR PATTERN AROUND THE SUN

2. A LESS THAN AVERAGE TIDE OCCURRING AT THE FIRST AND THIRD QUARTERS OF THE MOON

4. ENERGY PRODUCED BY THE SUN

6. THE MOVEMENT OF AN OBJECT AROUND ANOTHER OBJECT, (1 REVOLUTION = 1 YEAR)

8. ALL EXISTING MATTER AND SPACE CONSIDERED AS A WHOLE; THE COSMOS.

9. CAUSES EARTH TO HAVE SEASONS

11. THE SPINNING MOTION OF A PLANET ON ITS AXIS, (CAUSES DAY AND NIGHT ON EARTH)

12. THE PATH OF AN OBJECT AS IT REVOLVES AROUND ANOTHER OBJECT IN SPACE

16. EARTH'S TILT IN COMBINATION WITH ITS ORBIT AROUND THE SUN CAUSE THE

19. A COLLECTION OF STARS, DUST, AND GAS BOUND TOGETHER BY GRAVITY

21. POINT IN EARTH'S ORBIT WHEN IT IS NEAREST TO THE SUN; (JANUARY)