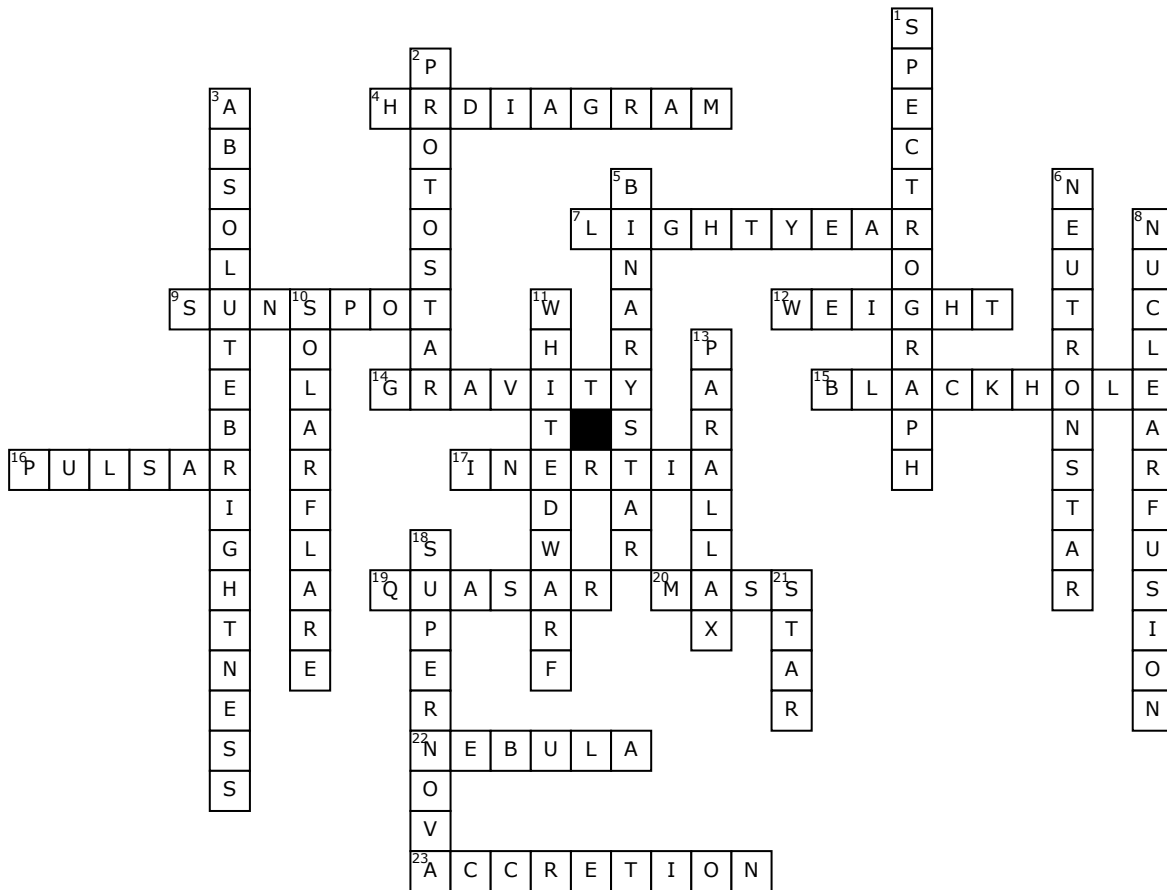


Sun & Stars



Across

4. a graph used to find out if the temperature and the absolute brightness of stars are related
 7. equal to six trillion miles
 9. located on sun's surface and can be larger than Earth
 12. the relative mass of an object
 14. the force that attracts a body toward the center of the earth is known as _____.
 15. an object with strong gravity that nothing can escape
 16. spinning neutron star
 17. the tendency of an object to resist a change in motion

19. a massive and extremely remote celestial object

20. the amount of matter in an object

22. a large cloud of gas and dust spread out in an immensive volume

23. the process of building something up gradually by the gathering together of smaller pieces is called _____.

Down

1. a device that breaks light into colors and produces an image of the resulting spectrum

2. first stage of a star's life

3. also known as a star's luminosity

5. a system of two stars in which one star revolves around the other

6. the remain of a high-mass star

8. the process in which hydrogen atoms join to form helium

10. The eruption that occurs when magnetic energy heats gases on the sun to millions of degrees Celsius

11. The blue-white core of a star that is left behind cools and becomes a _____.

13. apparent change in position of an object

18. after a _____, some of the material from the star expands into space.

21. its life span depends on its mass