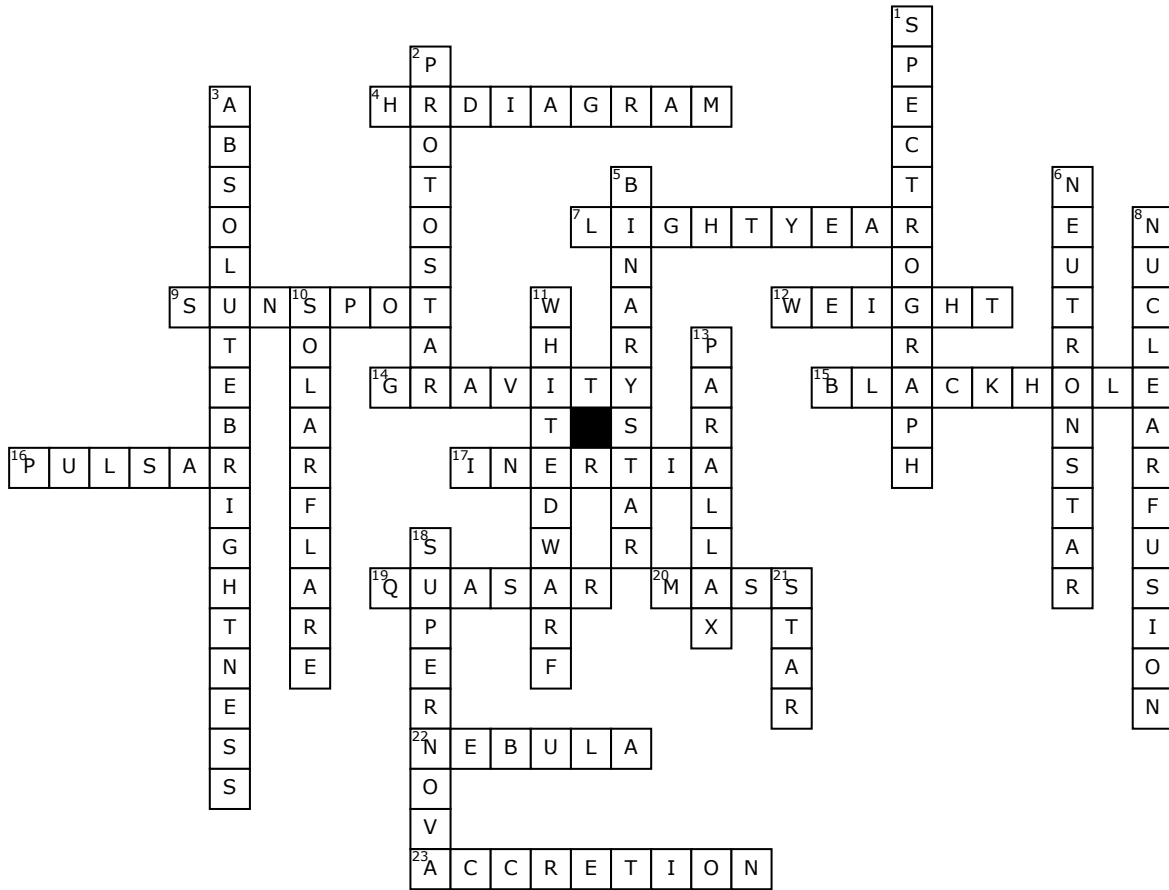


Sun & Stars



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 immense 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