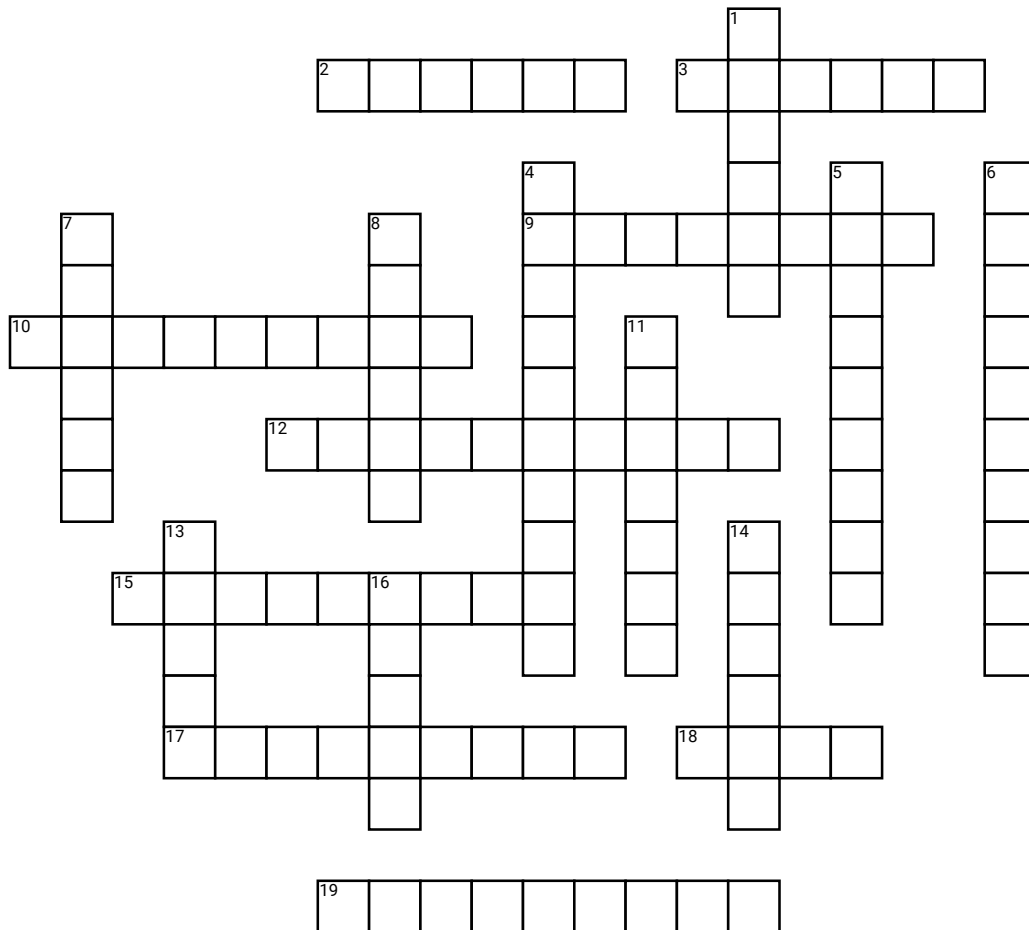


Life Cycles of high and low mass stars



Across

2. Giant cloud of dust and gas in space
 3. Occupies space and posses rest mass.
 9. Chemical element that has a symbol of H
 10. A region of space and time exhibiting gravitational acceleration so strong not even light can escape
 12. A White Dwarf that has cooled
 15. A contracting mass of gas which represents an early stage in the formation of a star, before nuclear synthesis has begun.

17. A star that suddenly increases greatly in brightness because pf catastrophic explosion that ejects most of its mass
 18. Fine particles of solid matter
 19. Penetrating electromagnetic radiatin arising from radioactive decay of atomic nuclei.

Down

1. Chemical element symbol C
 4. Small dense star that is the size of a planet
 5. Very large star of high luminosity and low surface temperature
 6. Type of propagating disturbance

7. A Gravitationally balanced system of stars remnants gas dust and dark matter.
 8. A celestial object, thought to be a rapidly rotating neutron star, that emits regular pulses of radio waves and other electromagnetic radiation at rates
 11. What goes up must come down
 13. Electromagnetic radiation
 14. Colorless odorless non-toxic gas Symbol HE
 16. A luminous spheroid of plasma held together by gravity

Word Bank

- | | | | | |
|-------------|-----------|-------------|------------|-------------|
| Nebula | Supernova | Protostar | Matter | Shock Waves |
| Redgiants | Gravity | Galaxy | Black Hole | Dust |
| Black Dwarf | Pulsar | Carbon | Stars | Gamma Rays |
| Hydrogen | Xrays | White Dwarf | Helium | |