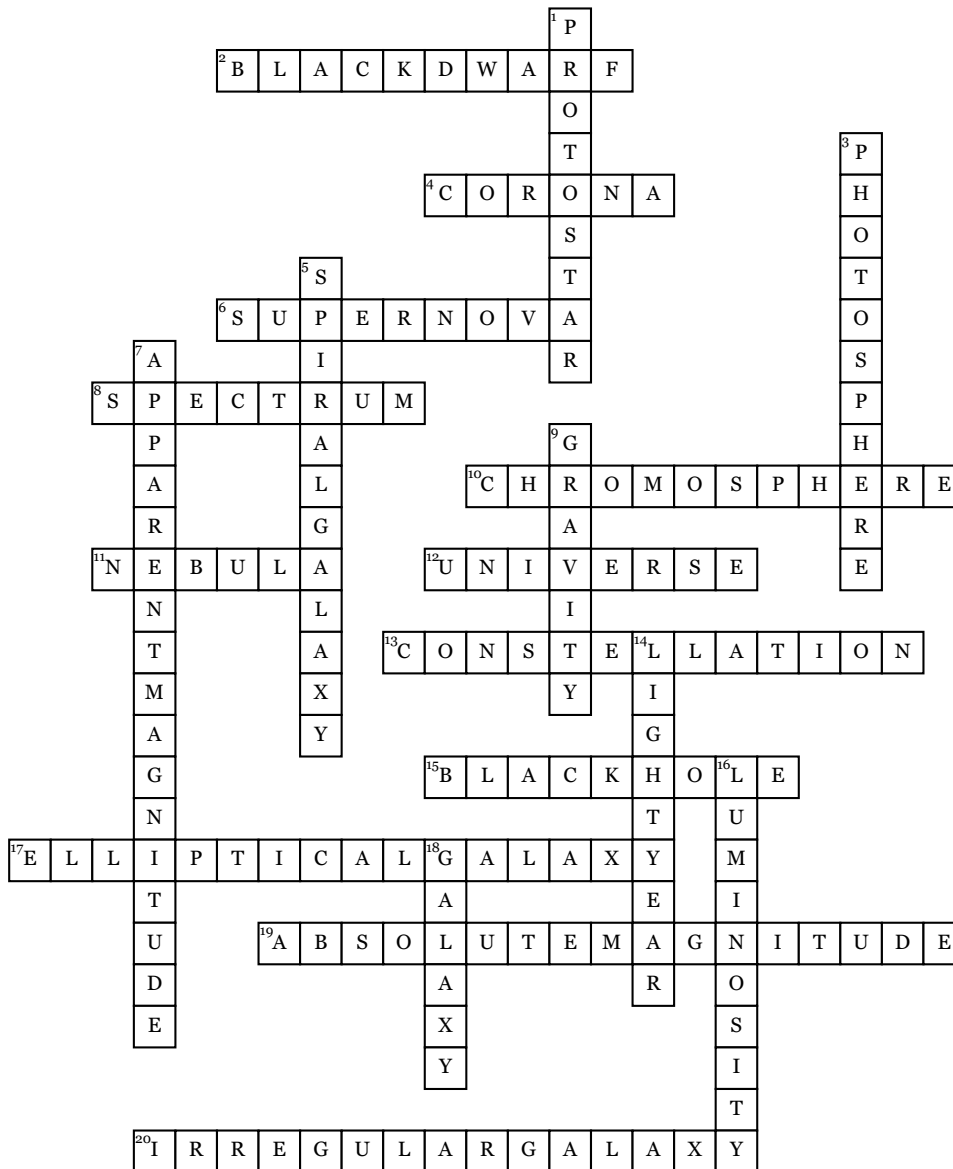


COMPONENTS OF THE UNIVERSE



Across

- 2.** a theoretical stellar remnant which has cooled sufficiently that it no longer emits significant heat or light.
- 4.** outermost layer of the sun's atmosphere
- 6.** The death of a large star by explosion
- 8.** the band of colors formed when light passes through a prism
- 10.** middle layer of the sun's atmosphere
- 11.** is an interstellar cloud of dust, hydrogen, helium and other ionized gases.
- 12.** all space and the matter space contains

Down

- 13.** group of stars that form a pattern
- 15.** What is the name of a place in space where gravity pulls so much that even light can not get out.
- 17.** A galaxy with a bright center and very little dust or gas
- 19.** the measure of intrinsic brightness of a celestial object.
- 20.** A galaxy that does not fit into any category; a galaxy with very little symmetry
- 1.** _____ is a very young star that is still gathering mass from its parent (molecular cloud)
- 3.** innermost layer of the sun's atmosphere

- 5.** A galaxy with bulge in the center and very distinct long arms winding around the center

7. _____ is a number that is a measure of its brightness as seen by an observer on Earth.

9. force of attraction between objects

14. is a unit of length used informally to express astronomical distances.

16. the total amount of energy emitted by a star, galaxy, or other project per astronomical it time.

18. a gravitationally bound system of stars, stellar remnants, interstellar gas, dust, and dark matter.