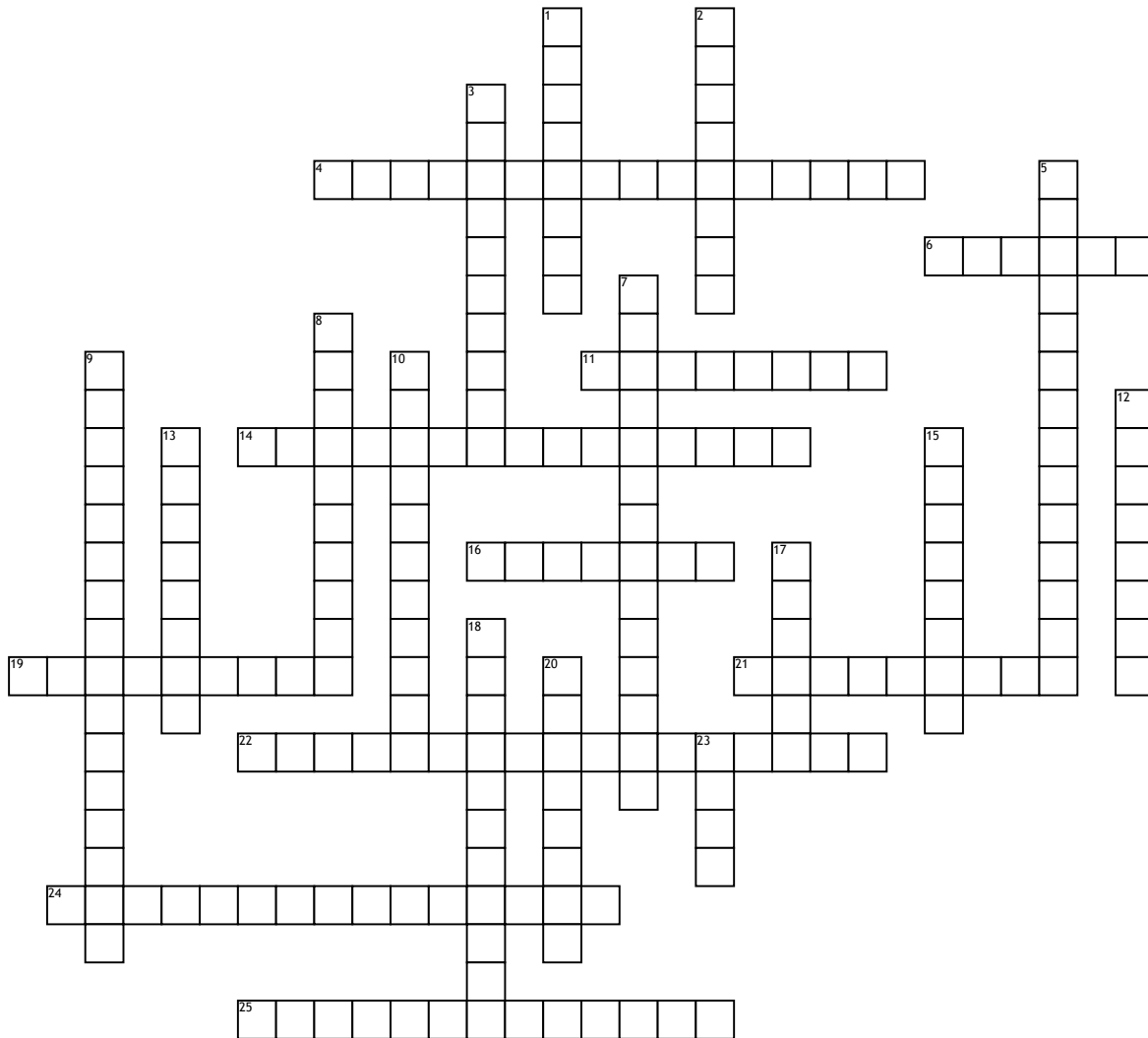


# Nebulas and Sciences Quiz



## Across

4. A \_\_\_\_ is the expanding shell of debris caused by the explosion of a supernova
6. \_\_\_\_ is the chemical element of atomic number 2, an inert gas which is the lightest member of the noble gas series.
11. The \_\_\_\_ is a faint band of light crossing the sky, made up of vast numbers of faint stars
14. A \_\_\_\_ is a ring-shaped nebula formed by an expanding shell of gas around an aging star.
16. The \_\_\_\_ was the rapid expansion of matter from a state of extremely high density and temperature that according to current cosmological theories marked the origin of the universe.
19. A \_\_\_\_ is a contracting mass of gas which represents an early stage in the formation of a star, before nucleosynthesis has begun.
21. A \_\_\_\_ is a star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects most of its mass.
22. \_\_\_\_ is the space between stars
24. A \_\_\_\_ is a large compact spherical star cluster, typically of old stars in the outer regions of a galaxy.

25. \_\_\_\_ is a nuclear reaction in which atomic nuclei of low atomic number fuse to form a heavier nucleus with the release of energy.

## Down

1. \_\_\_\_ is a colorless, odorless, highly flammable gas, the chemical element of atomic number 1.
2. The \_\_\_\_ is all existing matter and space considered as a whole; the cosmos.
3. A \_\_\_\_ is a nonluminous nebula of dust and gas that is observable because it obscures light from other sources.
5. An \_\_\_\_ is a nebula that shines with its own light.
7. A \_\_\_\_ is a star, approximately the size of the earth, that has undergone gravitational collapse and is in the final stage of evolution for low-mass stars.
8. A \_\_\_\_ is a system of two stars in which one star revolves around the other or both revolve around a common center.
9. A \_\_\_\_ is clouds of interstellar dust which might reflect the light of a nearby star or stars.
10. An \_\_\_\_ is a relatively loose grouping of stars.

12. A \_\_\_\_ is a small, old, relatively cool star.
13. The \_\_\_\_ is a cloud in the interstellar medium composed of neutral atomic hydrogen.
15. A \_\_\_\_ is a very large star of high luminosity and low surface temperature.
17. A \_\_\_\_ is a cloud of gas and dust in outer space, visible in the night sky either as an indistinct bright patch or as a dark silhouette against other luminous matter
18. A \_\_\_\_ is a celestial object of very small radius (typically 18 miles/30 km) and very high density, composed predominantly of closely packed neutrons.
20. A \_\_\_\_ a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction.
23. A \_\_\_\_ is a fixed luminous point in the night sky which is a large, remote incandescent body like the sun.