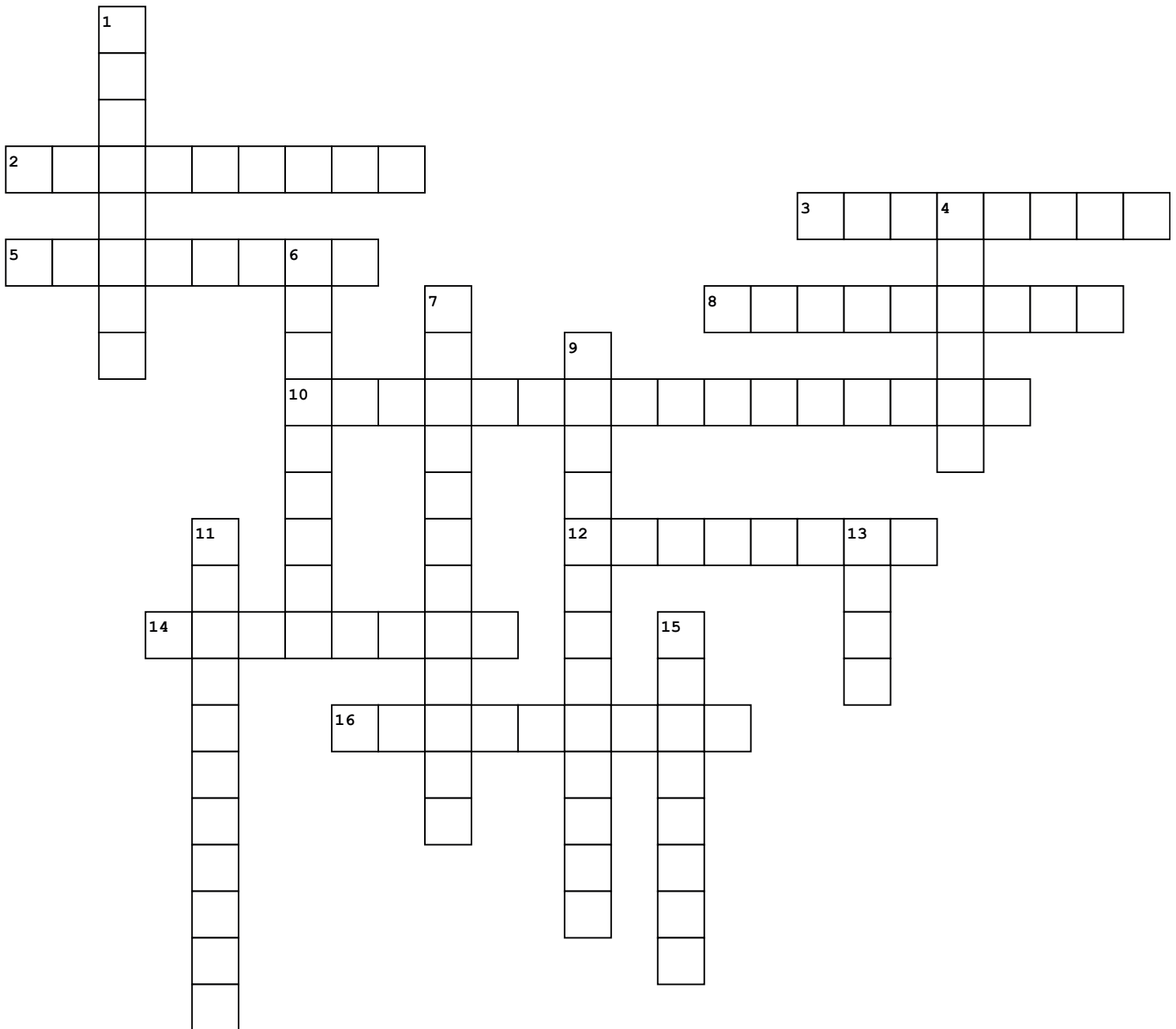


Universe vocabulary



Across

2. the science of the origin and development of the universe.
3. a very large star of high luminosity and low surface temperature.
5. existing matter and space considered as a whole; the cosmos.
8. the science of the origin and development of the universe.

Down

1. the displacement of spectral lines toward longer wavelengths (the red end of the spectrum) in radiation from distant galaxies and celestial objects.
4. a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction.
6. a star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects

- 10. galaxy is a type of galaxy with an approximately ellipsoidal shape and a smooth, nearly featureless image.
 - 12. a prominent pattern or group of stars, typically having a popular name but smaller than a constellation.
 - 14. to measure distances to nearby stars.
 - 16. a region of space having a gravitational field so intense that no matter or radiation can escape.
- most of its mass.
 - 7. a galaxy in which the stars and gas clouds are concentrated mainly in one or more spiral arms.
 - 9. a cosmological model of the observable universe from the earliest known periods through its subsequent large-scale evolution.
 - 11. a small galaxy composed of about 1000 up to several billion stars, as compared to the Milky Way's 200–400 billion stars.
 - 13. ball of gas
 - 15. Galaxy