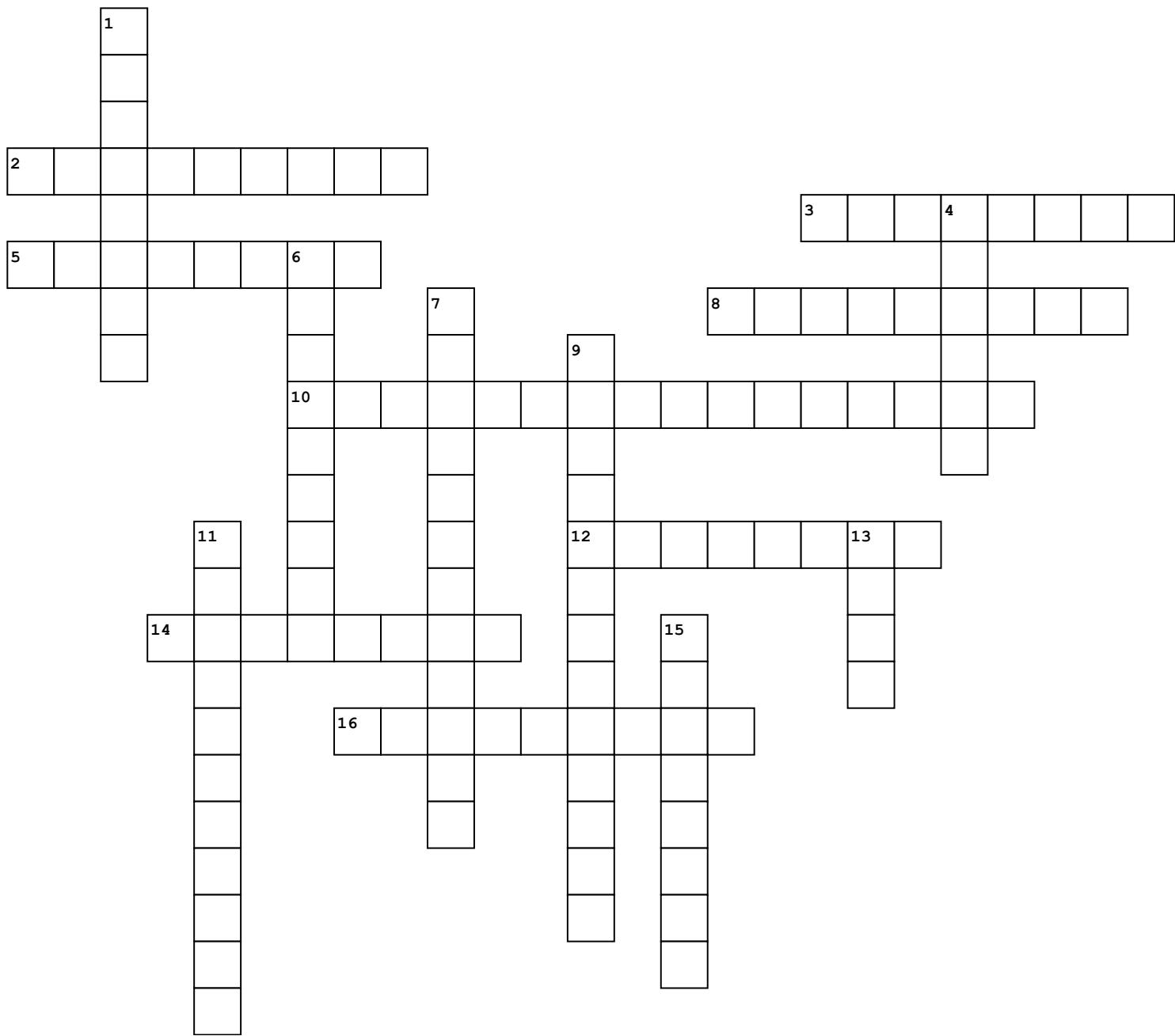


Universe vocabulary



Across

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

Down

- the displacement of spectral lines toward longer wavelengths (the red end of the spectrum) in radiation from distant galaxies and celestial objects.
- a system of millions or billions of stars, together with gas and dust, held together by gravitational attraction.
- 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