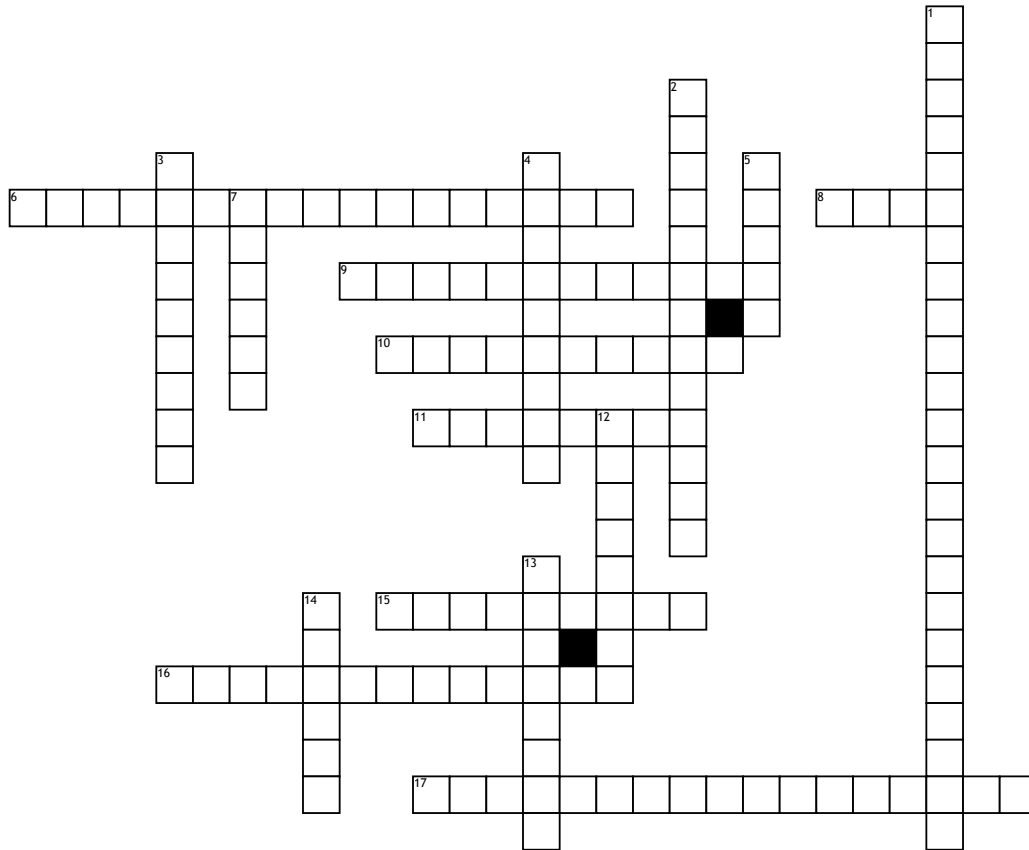


Astronomy Crossword Puzzle



Across

- 6. What's the magnitude of a celestial object as it is actually measured from the earth?
- 8. What's a fixed luminous point in the night sky which is large remote incandescent body like the sun?
- 9. A series of star types to which most stars belong represented on a HR diagram as a continuous band extending from the upper left to the lower right is the what?
- 10. The intrinsic brightness of a celestial object as distant from its apparent brightness diminished by distance is what?
- 11. All existing matter and space considered as a whole is called the what?
- 15. What's the displacement of the spectrum to shorter wave lengths in the light coming from distant celestial objects moving towards the observer?

16. An increase or decrease in the frequency of sound, light or other waves as the source and observer move toward or away from each other is called what?

17. What's the brightness of a celestial object as it would be seen at a standard distance of 10 parsecs?

Down

- 1. The range of wave lengths or frequencies over which electromagnetic radiation extends is called what?
- 2. What is the theory in astronomy where the universe originated billions of years ago in an explosion from a single point of nearly infinite energy density?
- 3. What's a graph of the absolute magnitudes or luminosities of stars plotted against their surface temperatures or colors used to classify stars by their evolutionary stages?

- 4. A star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects most of its mass is a what?
- 5. A celestial object consisting of a nucleus of ice and dust and when near the sun a tail of gas and dust particles pointing away from the sun is a what?
- 7. What's a cloud of gas and dust in outerspace visible in the night sky either as an indistinct bright patch or as a dark silhouette against other luminous matter?
- 12. The displacement of spectral lines towards longer wavelengths the red end of the spectrum in radiation from distant galaxies and celestial object is called what?
- 13. Numerous small celestial bodies composed of rock and metal that move around the sun is a what?
- 14. A system of millions or billions of stars together with gas and dust held together by gravitational attraction is what?

Word Bank

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|--------------------------|--------------------|-----------------|--------------------|
| Universe | Comet | Nebula | HR diagram |
| Galaxy | Absolute Magnitude | Star | Apparent Magnitude |
| Supernova | Red Shift | Main Sequence | Blue Shift |
| Electromagnetic Spectrum | Doppler Effect | Big Bang Theory | Luminosity |
| Asteriod | | | |