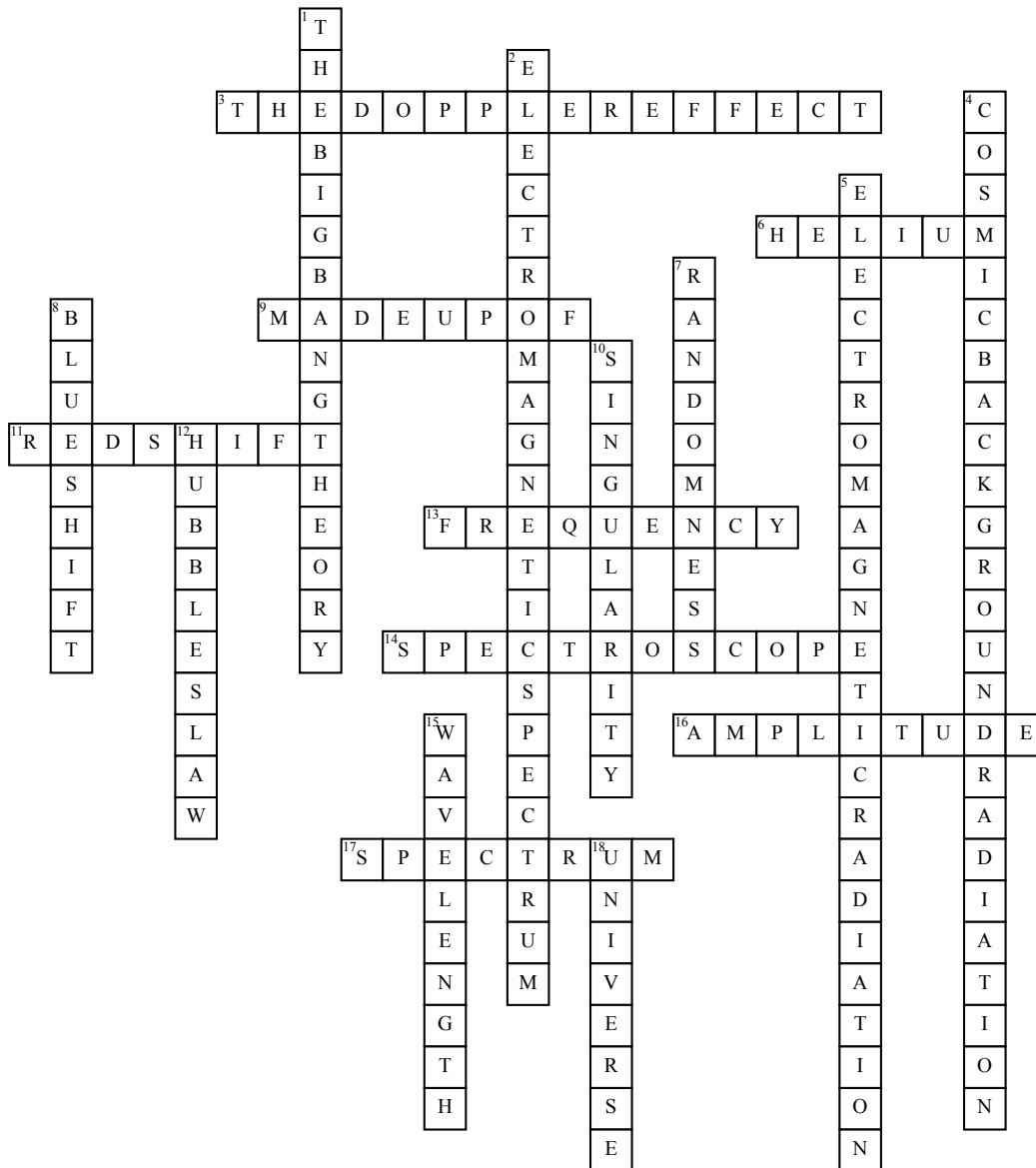


# Astronomy



## Across

3. An increase/ decrease in the frequency of sound, light, or other waves as the observer moves toward/ away from the light/ sound source.
6. One of the building blocks of a star with the chemical symbol He.
9. By studying a stars spectra you can find what it is \_\_\_\_\_.
11. Light / sound moving away from observer quickly results in a \_\_\_\_\_.
13. The rate in which something (sound or light) is repeated.
14. An instrument used to break down visible light into a spectrum of colors.

16. The vertical distance between the crest and the baseline.

17. Wavelengths of color given off by visible light.

## Down

1. The theory that states the universe began with an explosion 13.7 billion years ago.
2. All of the frequencies of wavelengths of electromagnetic radiation.
4. Thermal energy left over from the original explosion was distributed in every direction of the universe as it expanded.
5. The universe is made up of \_\_\_\_\_.

7. Step right after expanding in the sequence of formation of the universe.

8. Light/ sound moving towards observer quickly results in a \_\_\_\_\_.

10. The single point at which the universe started as.

12. Law that states the universe is expanding.

15. The distance between two crests or two troughs in a wave.

18. all time, energy, and matter.