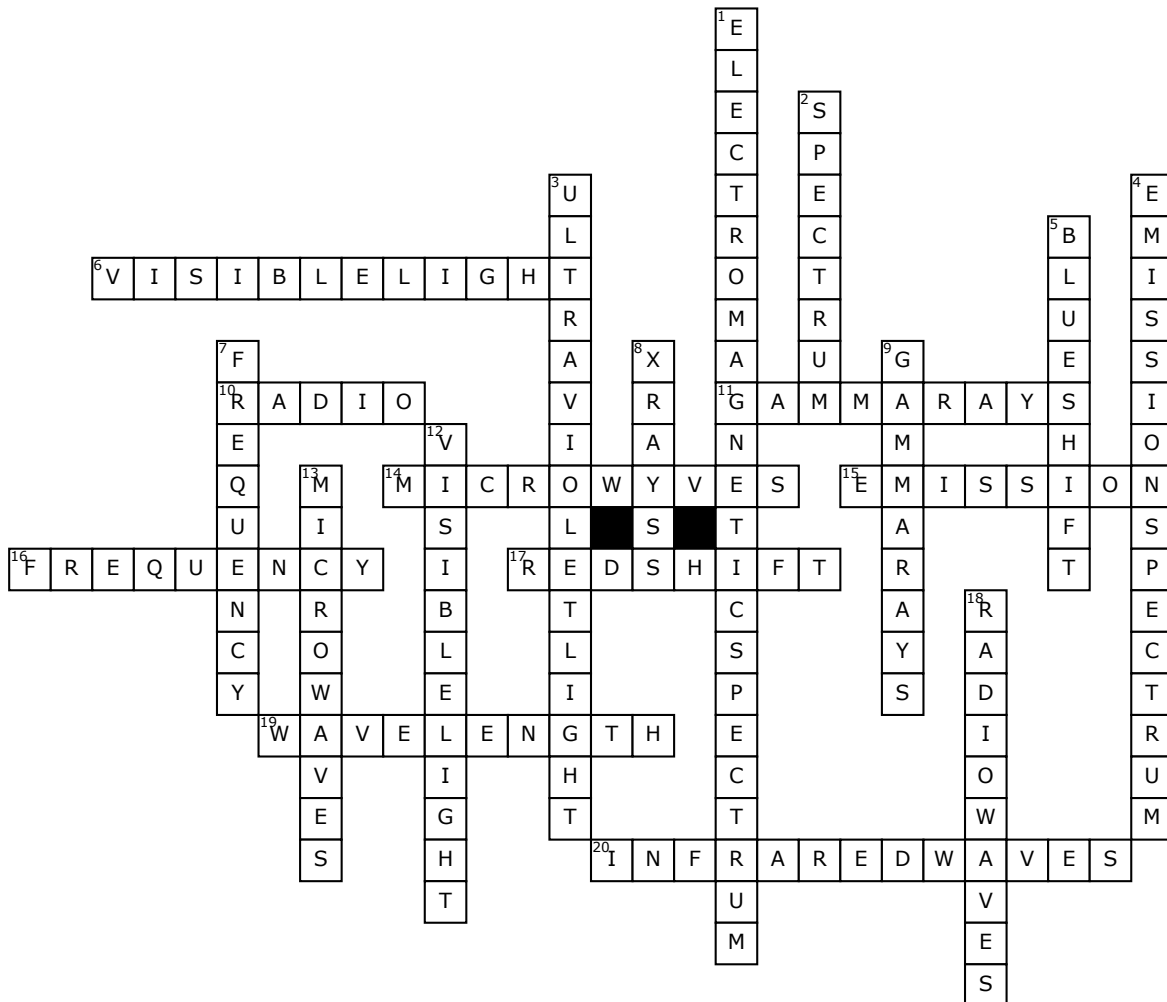


EM Spectrum, Doppler shift, and Star Spectra



Across

- 6.** The only waves we can see with out naked eye, its waves combine to make the color white.
- 10.** These waves carry signal to your television, cell phone, and your
- 11.** Electromagnetic Wave with the shortest wavelength and the most energy.
- 14.** Have shorter wavelengths than Radio Waves and are used for radar images
- 15.** Scientist use spectrosopes to observe a star's spectrum or
- 16.** The lower the energy the lower the...
- 17.** The further apart light waves are, the lower the frequency, and the redder the light.

19. The distance between the crest of one wave and the crest of the next wave.

20. Wavelength that is detected as heat

Down

- 1.** Used to study the composition, distance, energy, and temperature of objects in space.
- 2.** Bright line emission spectra is a chemical "fingerprint" for the particular element. Emission
- 3.** Electromagnetic wave that is emitted by our sun.
- 4.** A spectrum of the electromagnetic radiation emitted by a source.
- 5.** The closer the light waves are, the higher the frequency, and the bluer the light

7. Describes the number of waves that pass a fixed place given amount of time.

8. Electromagnetic waves used to view organs and bones

9. Doctors use these rays to kill diseased cells

12. These waves are visible to your eye and contain 7 colors that is called

13. These waves heat up most of the food we eat

18. Longest wavelength in the EM Spectrum and has the lowest frequency.