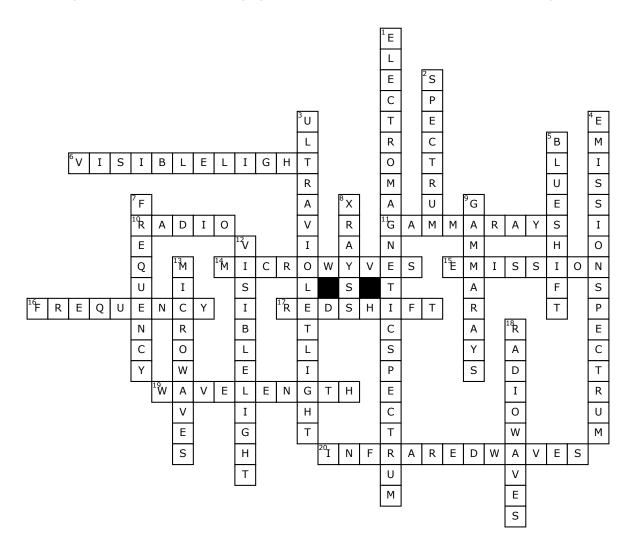
EM Spectrum, Doppler shift, and Star Spectra



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 spectroscopes 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.** Wavelengh 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 amout 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.