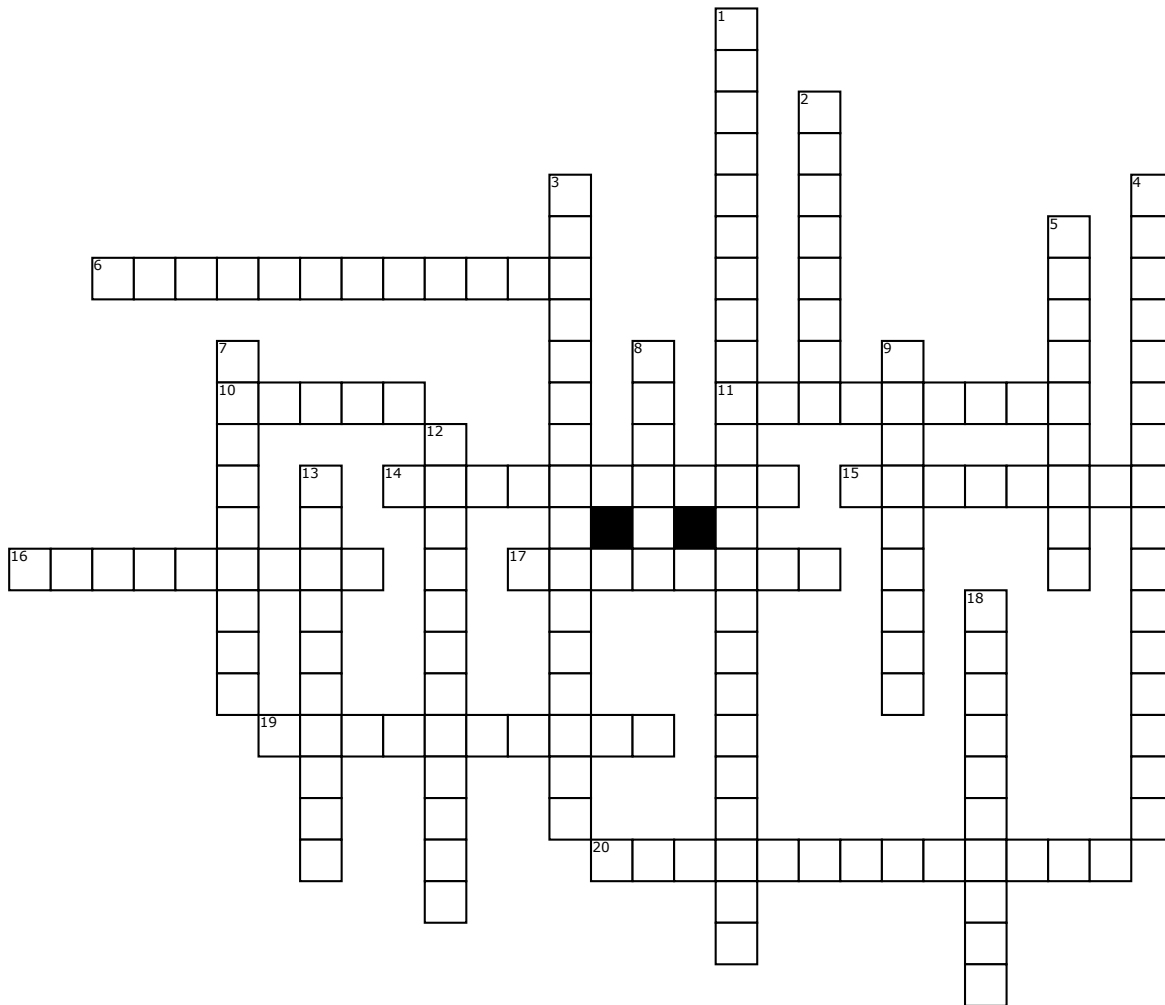


# EM Spectrum,Doppler shift,and Star Spectra



## 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.** 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 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.