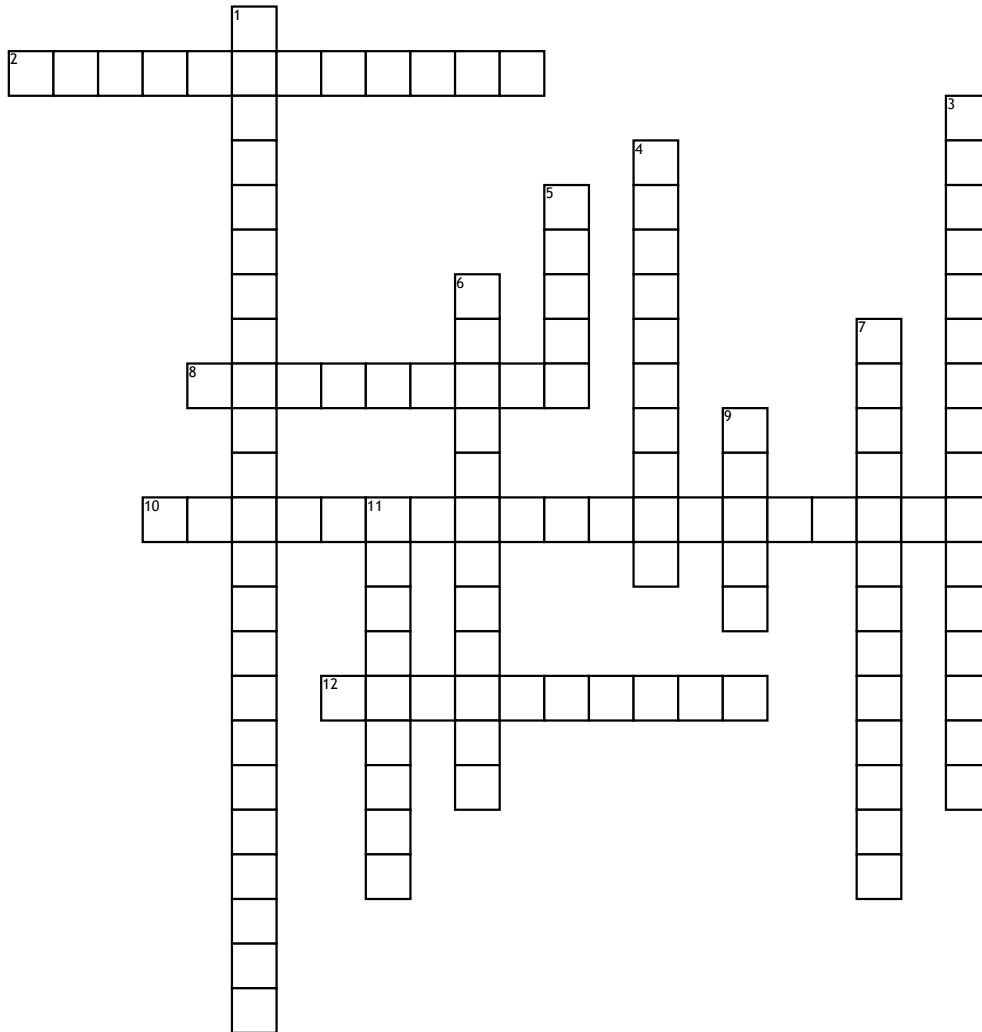


Electromagnetic Spectrum



Across

2. the part of the EM spectrum that human eyes can see
 8. electromagnetic waves with the highest frequencies
 10. a type of wave that does not require a medium to travel; a disturbance that transfers energy through a field
 12. electromagnetic waves with the lowest frequencies

Down

1. the range of all electromagnetic frequencies
 3. EM waves with frequencies above visible light and below x-rays
 4. EM waves that are used in radar and cell phones
 5. EM waves with frequencies between ultraviolet light and gamma rays

6. the passage of a wave through a medium
 7. EM waves with frequencies between microwaves and visible light
 9. a tool that uses refraction to separate the wavelengths that make up light
 11. the emission or transmission of energy in the form of waves or particles through space or through a material medium

Word Bank

electromagnetic spectrum
 ultraviolet light
 microwaves
 prism

x-rays
 visible light
 infrared light
 transmission

radio waves
 electromagnetic wave
 radiation
 gamma rays