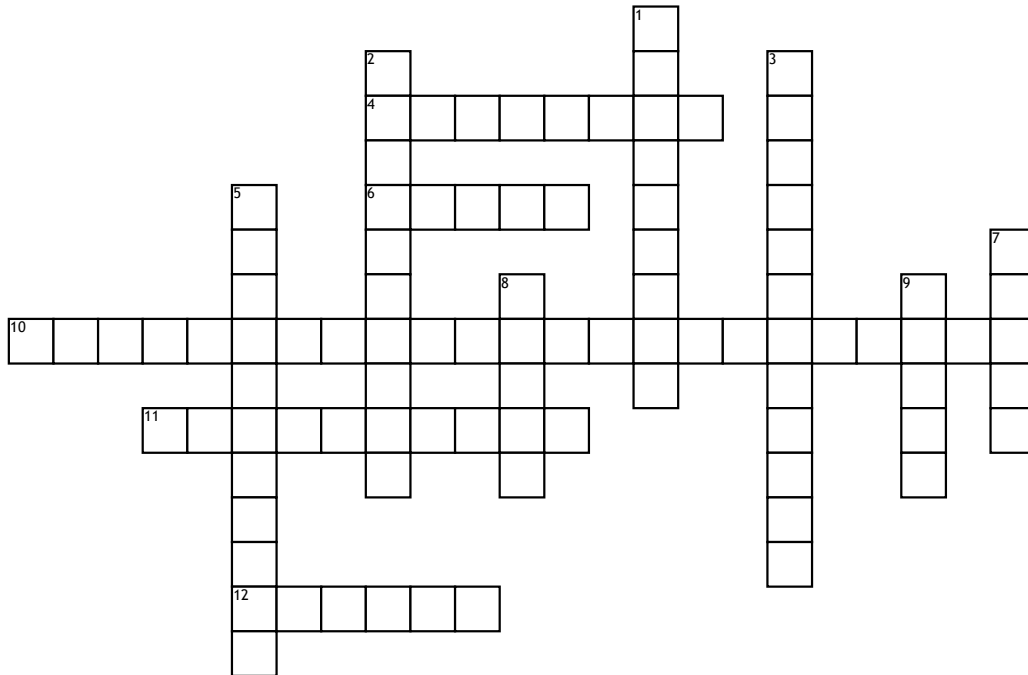


Name: _____

Date: _____

Electromagnetic Spectrum Vocabulary



Across

4. EM waves with wavelengths just greater than the red end of visible light, but less than microwaves, emitted by heated objects.
6. EM waves with long wavelengths and low frequencies used for communication.
10. Term used to describe the entire range of light waves that exists.
11. The distance extending three nodes of an electromagnetic wave.

12. A measurement of the photons carried in an electromagnetic wave.

Down

1. The number of waves that pass a given point in one second of time.
2. EM waves with frequencies between radio and infrared used in heating foods.
3. EM waves with wavelengths from 380-700 nm that are the only EM waves viewable by the human eye.

5. EM waves with wavelengths just shorter than the purple end of visible light, but longer than x-rays. These waves cause skin damage.

7. Extremely high energy penetrating EM waves produced by decaying atomic nuclei.

8. SI unit of frequency equal to one cycle per second.

9. High Energy EM waves with frequencies just higher than ultraviolet waves used in medical imaging.

Word Bank

microwaves
frequency
x-rays
radio

visiblelight
ultraviolet
hertz
gamma

wavelength
electromagneticspectrum
energy
infrared