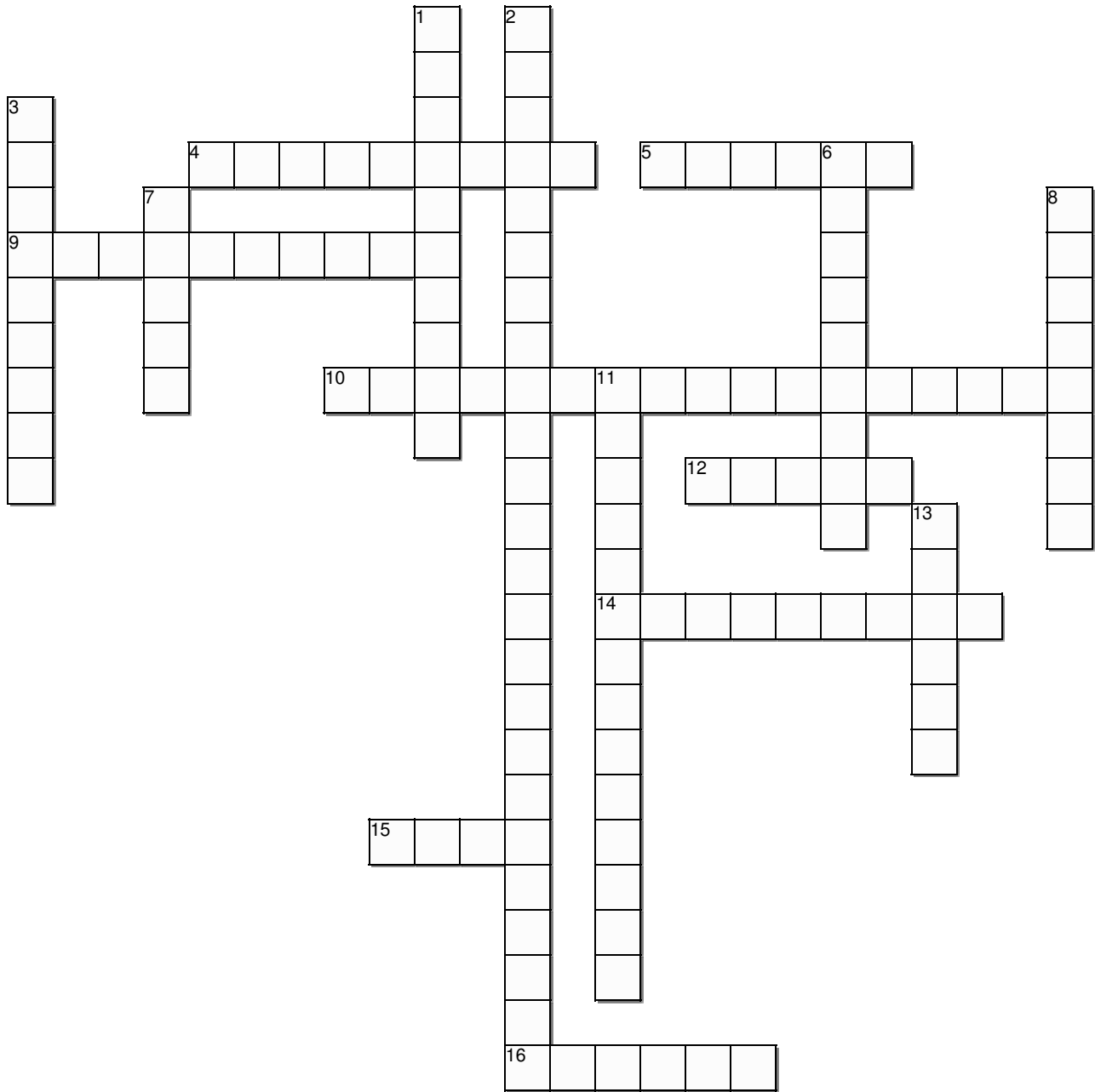


Name: \_\_\_\_\_

# Electromagnetic Spectrum Crossword

Use the clues to complete the puzzle!



Created on [TheTeachersCorner.net](http://TheTeachersCorner.net) Crossword Maker

- microwave
- wave
- radiation
- electron
- electromagnetic spectrum
- radio wave
- ultraviolet
- light
- infrared light
- frequency
- wavelength
- photon
- energy
- matter
- gamma ray
- radar
- light

### **Across**

4. The property or condition of occurring at frequent intervals
5. the capacity for work or vigorous activity; vigor; power
9. An electromagnetic wave within the range of radio frequencies
10. Ultraviolet light or the ultraviolet part of the spectrum.
12. A method of detecting distant objects and determining their position, velocity, or other characteristics by analysis of very high frequency radio waves reflected from their surfaces
14. Energy radiated or transmitted as rays, waves, in the form of particles
15. To have an undulating or wavy form; curve or curl
16. Something that occupies space and can be perceived by one or more senses

### **Down**

1. The distance between one peak or crest of a wave of light, heat, or other energy and the next corresponding peak or crest
2. The entire range of radiation in order of decreasing frequency, cosmic-ray photons, gamma rays, x-rays, ultraviolet radiation, visible light, infrared radiation, microwaves, and radio waves
3. A high-frequency electromagnetic wave, one millimeter to one meter in wavelength, intermediate between infrared and short-wave radio wavelengths
6. Electromagnetic radiation emitted by radioactive decay
7. Electromagnetic radiation that has a wavelength in the range from about 4,000 (violet) to about 7,700 (red) angstroms and may be perceived by the normal unaided human eye
8. A stable subatomic particle with a negative electric charge
11. relating to the range of invisible radiation wavelengths
13. The quantum of electromagnetic energy, regarded as a discrete particle having zero mass, no electric charge, and an indefinitely long lifetime