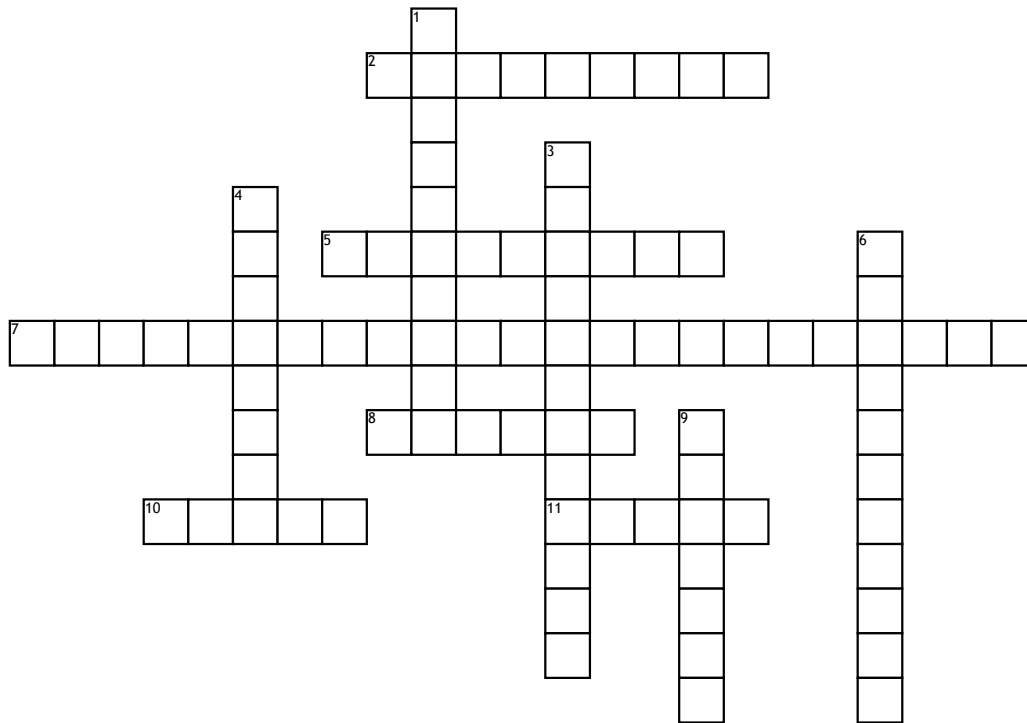


Name: _____

Date: _____

Electromagnetic Spectrum



Across

2. the transfer of energy through space by electromagnetic waves
5. the number of electromagnetic waves traveling past a fixed point in a specific unit of time (usually one second)
7. arrangement of electromagnetic waves according to their wavelengths and frequencies
8. a small packet of light energy
10. part of the electromagnetic spectrum where wavelengths are longest, consisting of microwaves, radar, radio and TV waves; generally used for long-distance communication
11. the top of an electromagnetic wave

Down

1. the distance between the crest of one wave and the crest of the next wave
3. the study of the properties of light that depend on wavelength
4. part of the electromagnetic spectrum where wavelengths are just longer than those of ordinary, visible red light but shorter than those of microwaves; also known as heat
6. part of the electromagnetic spectrum where wavelengths are just shorter than those of ordinary, visible violet light but longer than those of x-rays
9. part of the electromagnetic spectrum where wavelengths are just longer than those of ultraviolet radiation and just shorter than those of infrared radiation; a form of electromagnetic radiation that is visible to most human eyes

Word Bank

radio

infrared

Electromagnetic Spectrum

wavelength

photon

radiation

spectroscopy

frequency

visible

ultraviolet

crest