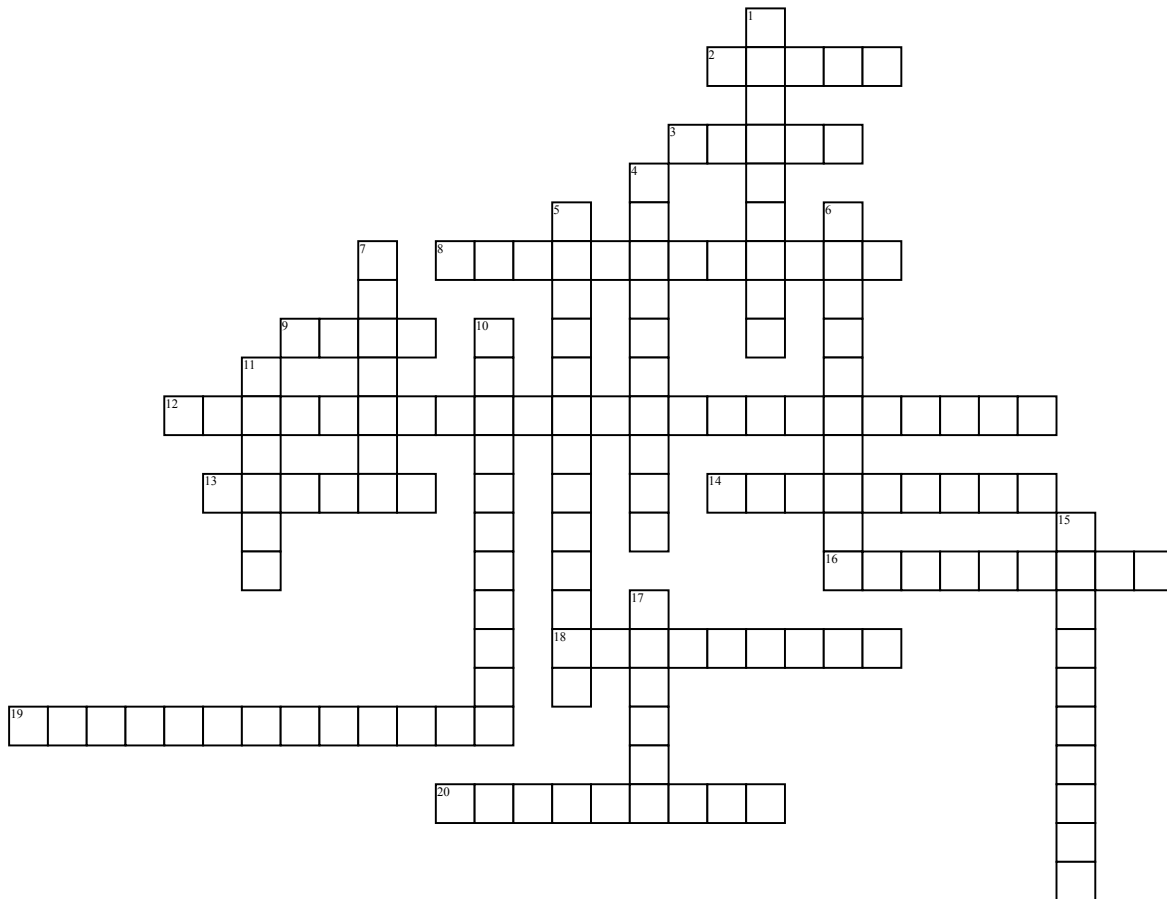


# science vocabulary words



**Across**

- 2. The waves with the longest wavelengths are \_\_\_\_\_ waves
- 3. The highest point of a transverse wave
- 8. The interaction of 2 or more waves that combine in a region of overlap
- 9. A rhythmic disturbance that carries energy through matter or space
- 12. The complete spectrum of all forms of "light"
- 13. Which color has the highest frequency
- 14. The transfer of energy as Electromagnetic waves

- 16. Has the highest frequency on the electromagnetic spectrum
- 18. What measures the amount of displacement in a transverse wave
- 19. A change in wave frequency caused by the movement of sound source, motion of the listener, or both
- 20. The energy of an electromagnetic wave is proportional to its \_\_\_\_\_

**Down**

- 1. The speed at which a wave travels through a medium
- 4. The bending of waves when passing from one medium to another

- 5. In a transverse wave the medium vibrates \_\_\_\_\_ to the direction of wave motion
- 6. Occurs when light is sent in many directions as it passes through a medium
- 7. spread apart
- 10. Materials transmit light but do not let the light travel straight through
- 11. The material through which a wave travels
- 15. The time required for one wavelength to pass a point
- 17. Materials do not let any light pass through them