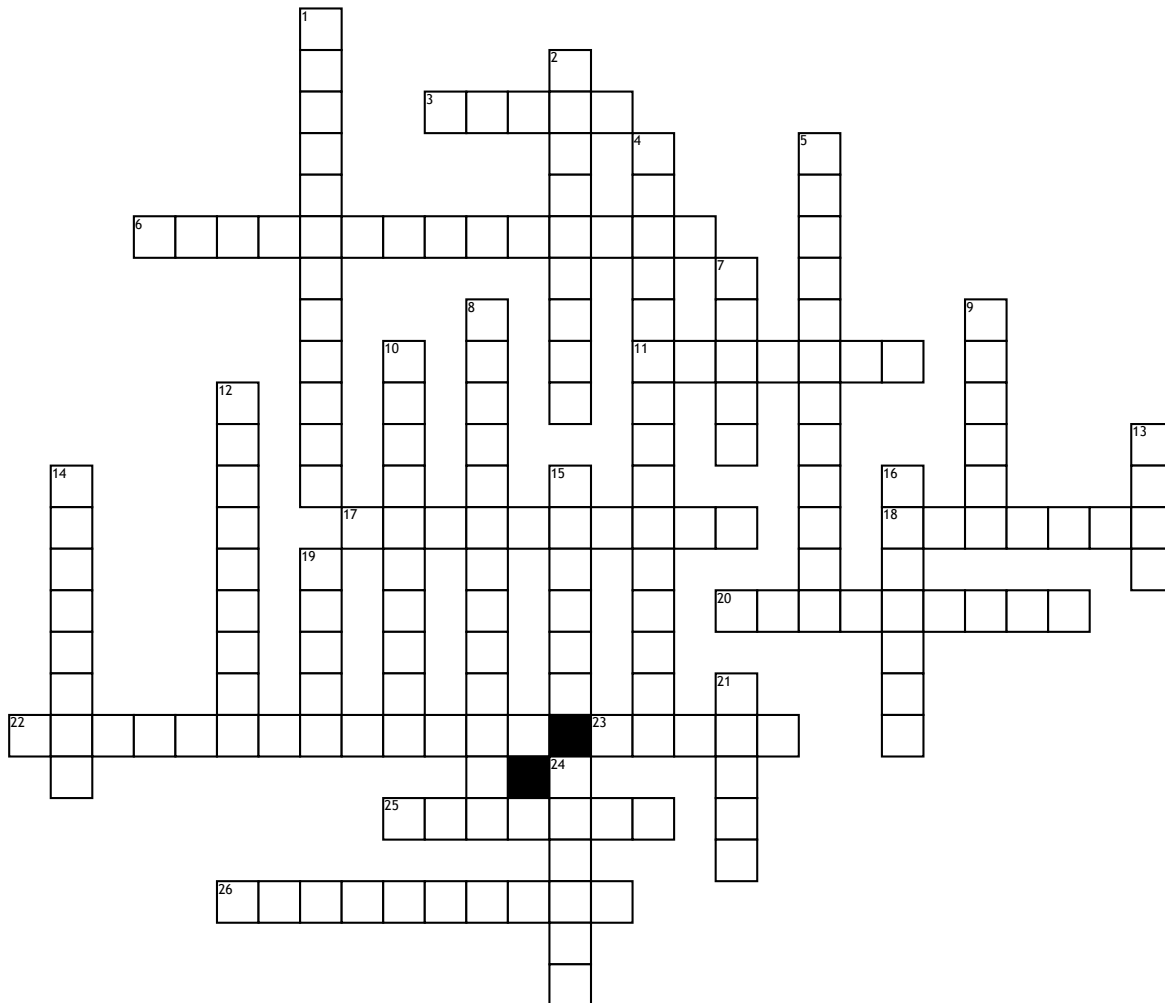


Waves and Simple Machines



Across

3. shortest wavelength belong to ___?_ rays
 6. does work with only one movement
 11. energy carried by electromagnetic waves
 17. distance from crest to crest or trough to trough
 18. order of colors in a rainbow
 20. number of wavelength that pass a given point in one second
 22. a flat, sloped surface
 23. inclined plane wrapped around cylinder
 25. the point a lever rotates at

26. makes matter move at right angles to wave motion

Down

1. colors are seen in which part of electromagnetic spectrum
 2. the distance of crest or trough to rest position
 4. type of wave that can travel through empty space
 5. waterwheel is an example of this simple machine
 7. inclined plane that moves along same direction of the wave
 8. matter moves back and forth
 9. a grooved wheel with a rope over it

10. type of wave that only travels through matter
 12. repeating back and forth motion
 13. disturbance transfers energy from one place to another
 14. made up of combination simple machines
 15. matter through which a wave travels
 16. low points or valleys on a wave
 19. example of a compressional wave
 21. a seesaw is an example of this simple machine
 24. high points or peaks of a wave