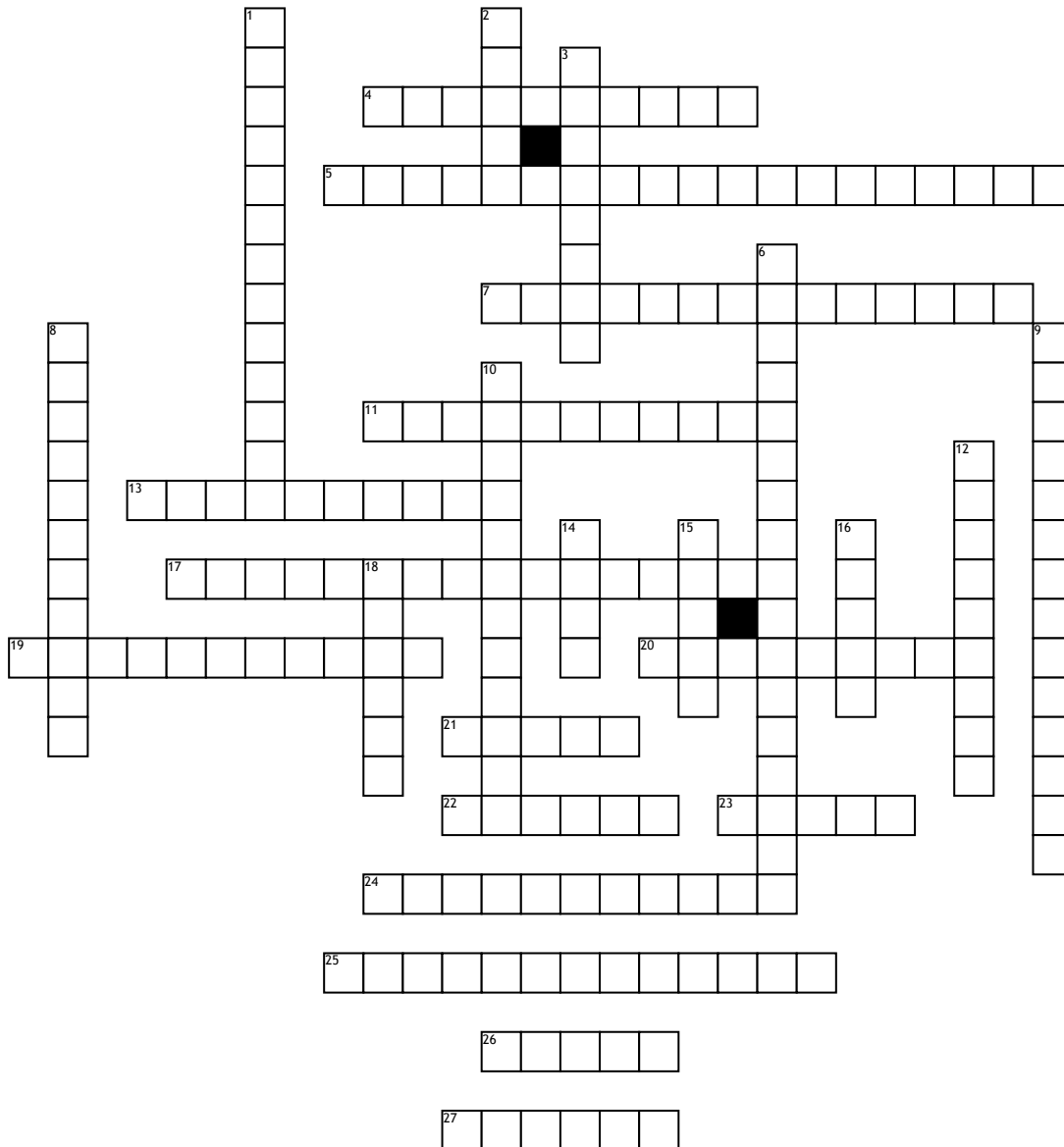


Wave vocabulary : Tanvi T



Across

4. the distance from one wave crest to the next wave crest (along the waves)
 5. synchronized oscillations of electric and magnetic fields
 7. sound wave at frequencies greater than 20,000 Hz which is the upper frequency limit of the human ear
 11. the waves partly or completely cancel as they pass
 13. bending of waves as the wave passes between two substances
 17. wave in which the vibration are parallel to the direction of energy transfer
 19. change in the direction when the wave finds an edge such as in opening
 20. the height of a wave

21. largest electromagnetic wave
 22. a substance through which a wave moves
 23. this increases if the frequency of the sound waves increases
 24. the part of a longitudinal wave where the particles of the medium are close together
 25. an observed change in the frequency of a wave when the source or observer is moving
 26. a disturbance that travels through a medium as a longitudinal wave
 27. the time taken for a wave

Down

1. name of a right angle
 2. highest point of a wave
 3. another word for speed

6. angle between the reflected ray and the normal
 8. another of saying vibration
 9. vibration that travels through a substance
 10. a wave that forms a stationary pattern in which portions of the wave do not move and other portions with a large amplitude
 12. the number of waves per second
 14. a periodic disturbance in a solid, liquid or gas
 15. smallest electromagnetic wave
 16. the unit of frequency
 18. lowest point of a wave