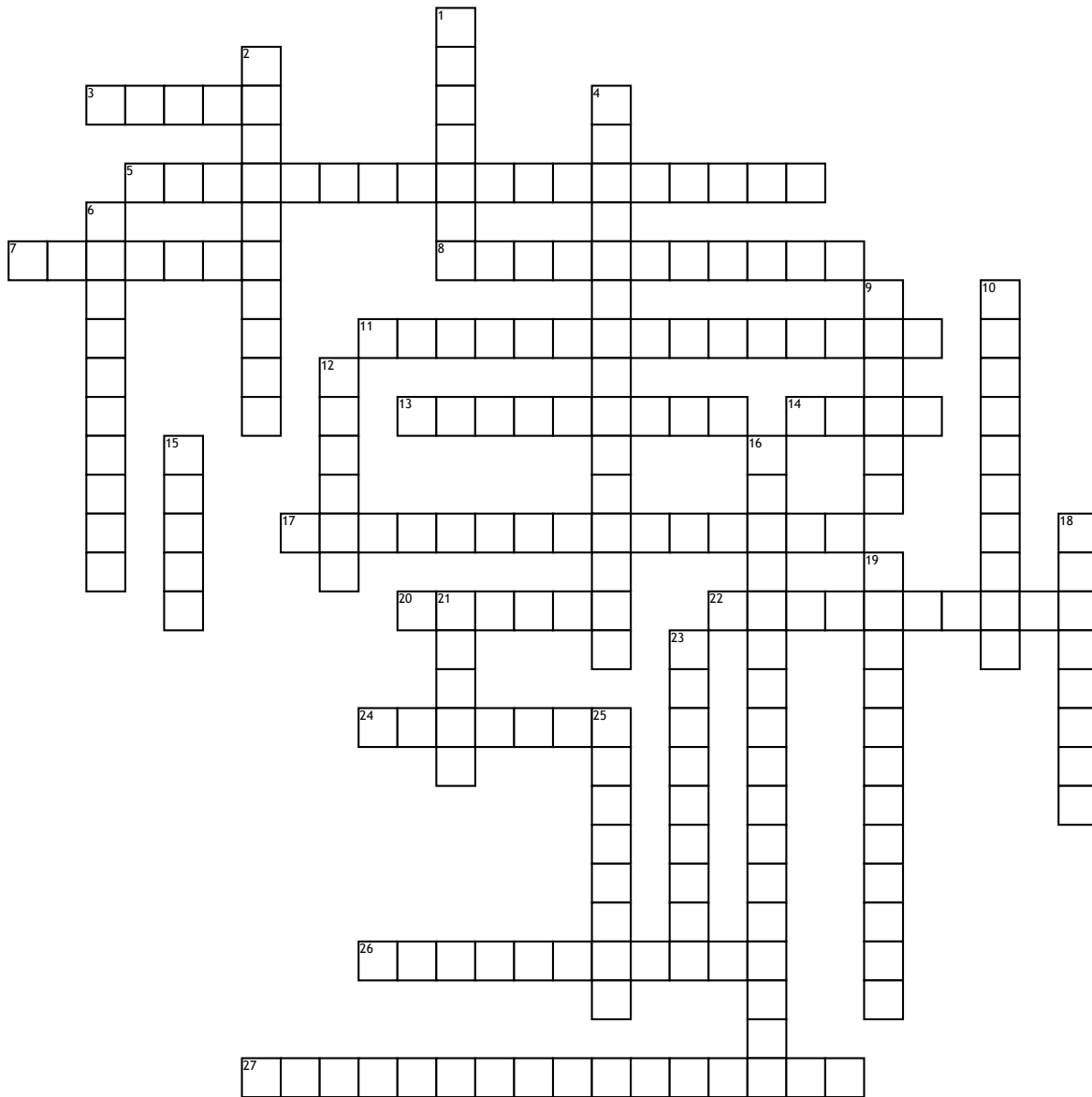


Name: \_\_\_\_\_

# Cross word Tesa Harris made this



## Across

- 3. the dark inner part of a shadow
- 5. a number that tells how much light speed changes in a medium or material
- 7. lens with both sides curbing in
- 8. allowing light to pass through without scattering it (glass)
- 11. because light travels in a straight line, the angle of incidence equals the angle of reflection
- 13. the amount of energy a sound has. aptitude measured the intensity of a sound
- 14. a kind of liberation that allows energy to move from one place to another
- 17. produced by humankind
- 20. not allowing light to pass through
- 22. the change of light speed or bending of light as it enters different mediums or materials

- 24. the unit used to describe the intensity of a sound
- 26. allowing some light through but scattering it
- 27. the angle at which light enters a surface

## Down

- 1. Light that is bounced off the surface of an object
- 2. the distance from crest to crest or trough to trough of a wave
- 4. type of wave where particles moves up and down while the wave moves forward. Light an radio waves are traverse waves
- 6. low frequency sounds below 16 Hz. or 16 vps. Elephants and whales use infrasonic sound to communicate
- 9. lens with both sides curving outward

- 10. High frequency sound above 16,000 hertz. Bats dogs and cats can hear ultrasonic sound. Doctors use ultrasonic waves t create s sonogram
- 12. light is trapped by matter
- 15. how fast a wave is traveling. This depends on wavelength and frequency
- 16. the angle at which light reflects off of a material
- 18. the part of a shadow that allows some light to pass through
- 19. produced with out humankind
- 21. how high or low a sound seems. Low pitch sounds have low frequencies, high pitch sounds have high frequencies
- 23. the height of a wave measured from the top half or bottom half of the wave.
- 25. an object that produces light