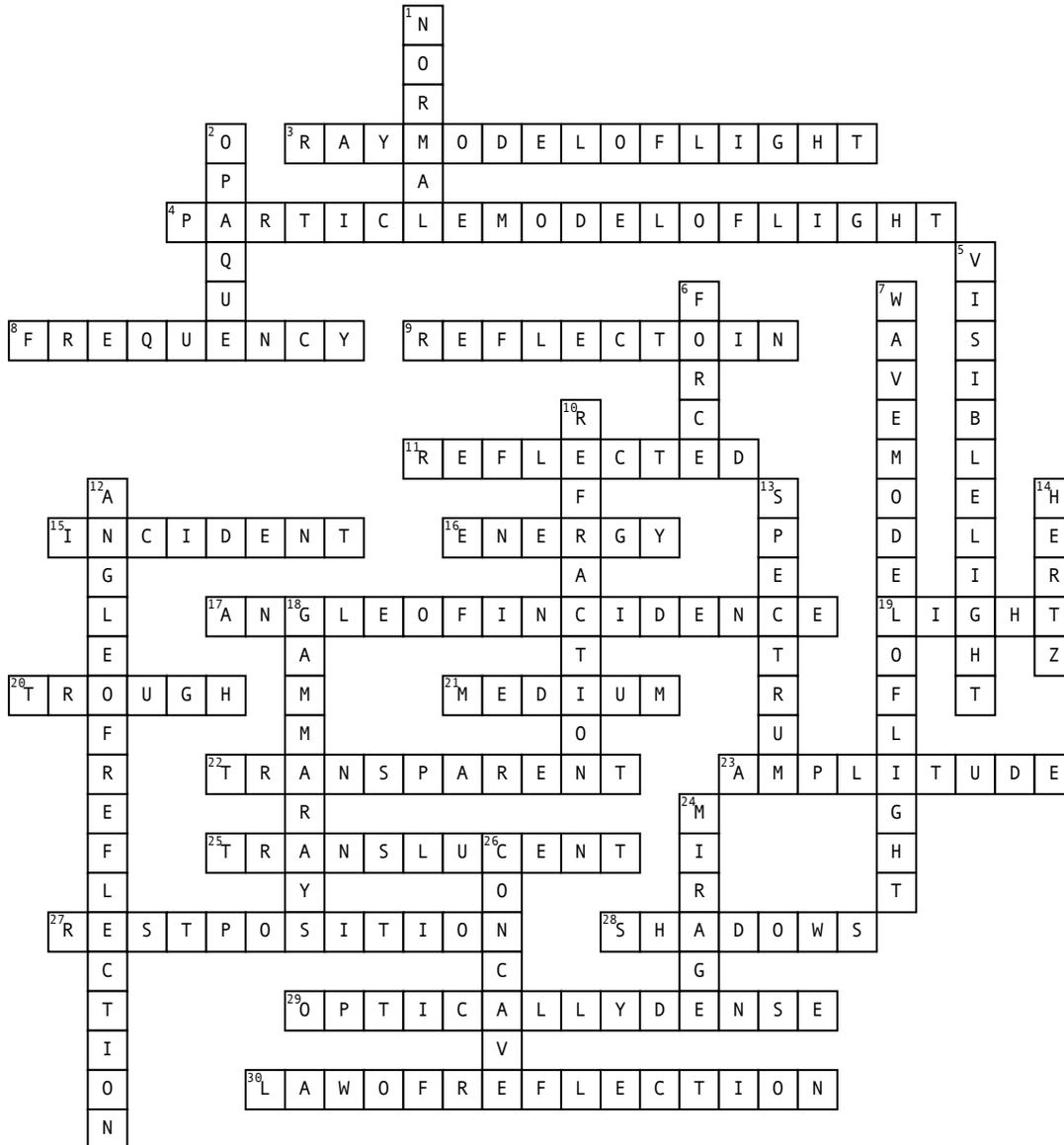


Science Definitions



- Across**
- 3. A model that shows light as a straight line or ray that shows the path as it travels including reflection off mirrors or refracting through lenses
 - 4. Old model that light was fast moving tiny particles eventually absorbed by the eye
 - 8. The number or repetitive motions, or oscillations, that occur in a given time
 - 9. When light waves strike an object and bounce off
 - 11. The ray that bounces off a surface
 - 15. the ray that approaches a surface
 - 16. The capacity to apply a force over a distance
 - 17. angle between incident ray and the normal line
 - 19. A type of wave that travels through empty space and transfers energy from one place to another
 - 20. lowest point in a wave
 - 21. the matter waves travel through
 - 22. Light passes through freely
 - 23. A height of a wave crest or the depth of a wave trough, as measured from its rest position
 - 25. Allows some light to pass through but not all
 - 27. The level of water that has no waves
 - 28. occurs when light is blocked in specific areas
 - 29. a property of a material which light passes through (The more dense the slower the light goes through)
 - 30. incident angle must equal the reflected angle
 - 24. Illusion formed by refraction of light through air
 - 26. An object (eg. mirror) that curves inward
- Down**
- 1. imaginary line perpendicular to the surface being struck by light
 - 2. Allows no light to pass through
 - 5. A wave you can see
 - 6. Push or pull on an object
 - 7. Pictures light travelling as a wave
 - 10. The bending/changing direction of a wave as it passes from one material to another
 - 12. angle between the reflected ray and the normal line
 - 13. Range of colors of frequencies of visible light
 - 14. the method frequency is measured in
 - 18. Has the highest energy and frequency and the shortest wavelength portion of the electromagnetic spectrum