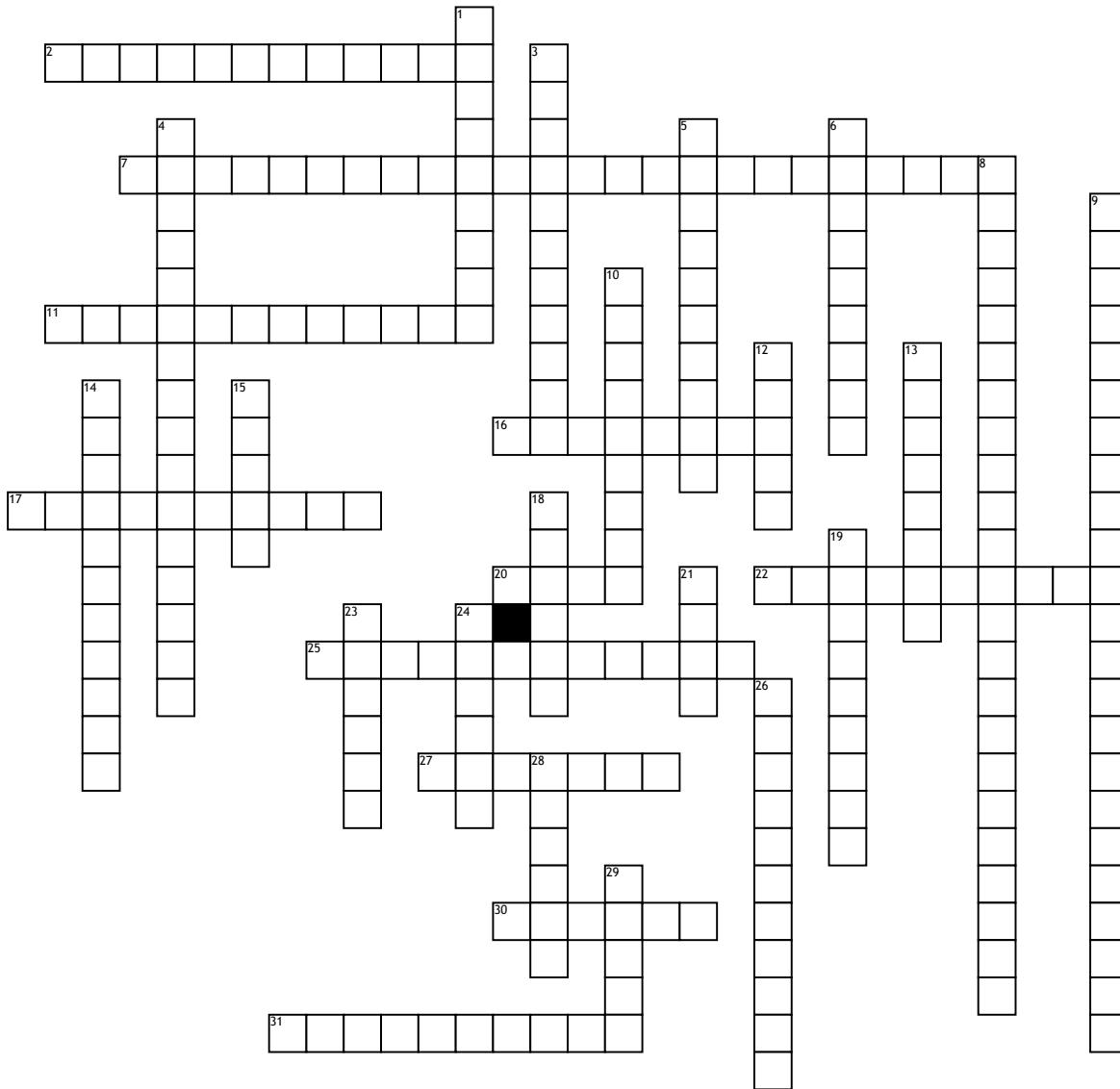


Vocab Terms <https://wordmint.com/>



Across

2. a wave in a medium in which each point on the axis of a wave has an associated constant amplitude
 7. when 2 waves combine to create a larger wave that is the height of both combined.
 11. on a flat mirror, the image appears to be behind the mirror because that's where the light rays merge.
 16. a point in the standing wave, halfway between 2 nodes, at which the large displacement occurs
 17. the bending of a wave as the wave passes between two substances in which the speed of the wave differs.
 20. a point along a standing wave where the wave has minimum amplitude.
 22. a wave in which the particles of the medium move perpendicularly to the direction the wave is traveling.
 25. the place where the particles of a medium stay when there are no disturbances or waves.
 27. having two or more surfaces curved or ground in the shape of a section of the interior sphere or paraboloid.

30. the time for a particle on a medium to make one complete vibrational cycle.

31. the distance from any point on a wave to an identical point on the next wave.

Down

1. can be projected onto a screen and is always upside down if the object is right-side up.
 3. part of a longitudinal wave where the particles are spread apart.
 4. when the particles of a wave move back and forth along the path the wave moves.
 5. the bouncing back of a ray of light, sound, or heat when the ray hits a surface that it doesn't go through
 6. the number of waves produced in a given amount of time
 8. the range of wavelengths or frequencies over which electromagnetic radiation extends.
 9. when 2 waves combine to create a wave that is of zero amplitude
 10. the maximum distance that the particles of a wave's medium vibrate from their rest position.
 12. the top of a wave
 13. a psychological perception of amplitude.
 14. bending of waves around a barrier
 15. a unit of frequency defined as the number of complete cycles of a periodic signal that take place in one second.
 18. the low point of a wave
 19. an integer multiple of the fundamental frequency
 21. a ground or molded piece of glass, plastic, or other transparent material.
 23. a substance through which a wave can travel.
 24. an object that reflects light in such a way, the reflected light preserves many or most of the detailed physical characteristics of the original light.
 26. part of a longitudinal wave where the particles are pressed together.
 28. curving or bulging outwards; having one or two surfaces curved or ground in the shape of a section of the exterior of a sphere or paraboloid
 29. equivalent to the frequency of sound waves, which are any compression waves in a medium.