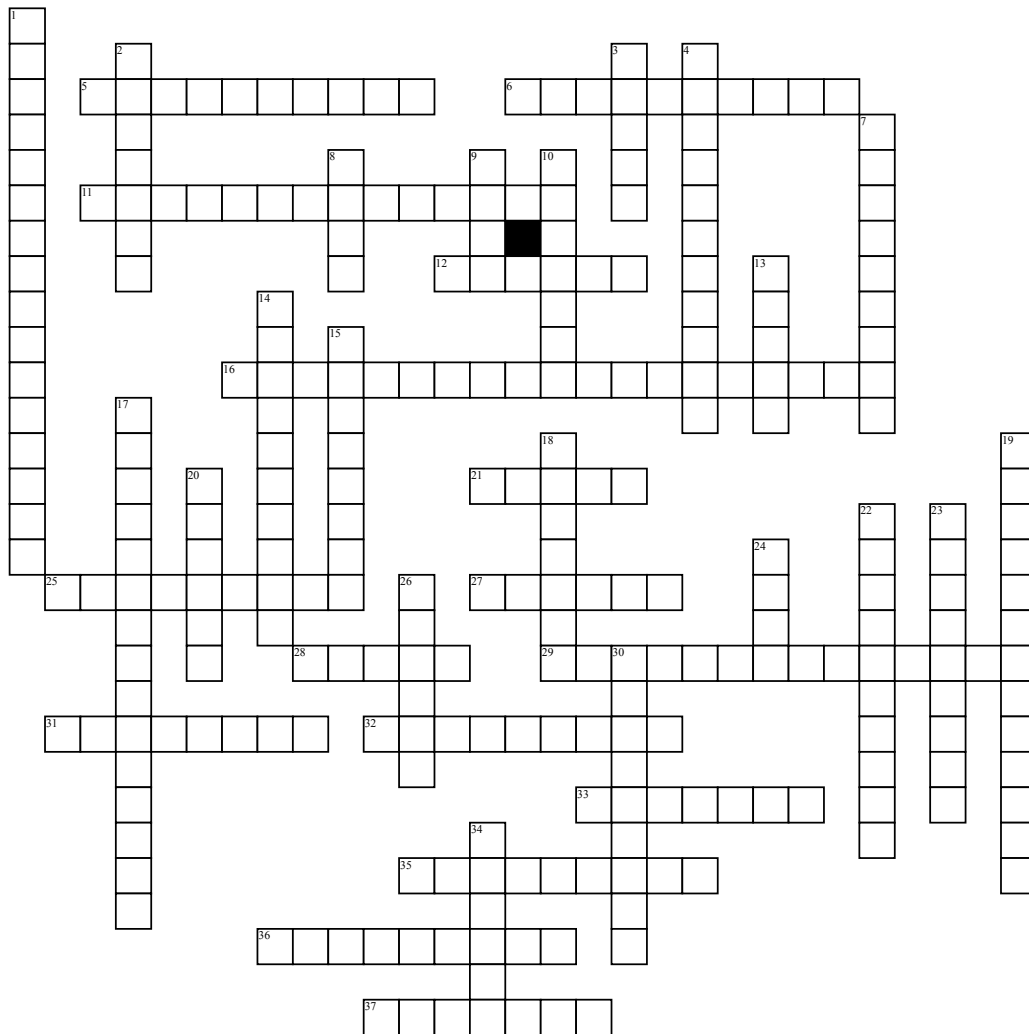


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Science vocabulary



## Across

5. distance between two troughs or two crests  
 6. a process in which people freely make up creative ideas  
 11. wave that can only travel through a medium (type of matter- solid, liquid, gas)  
 12. substance, matter (solid, liquid, or gas)  
 16. a mathematical relationship where if one variable increases, the other decreases  
 21. High point of a wave  
 25. rate of a repeating cycle  
 27. usable power that can be transferred or converted to different forms but cannot be created or destroyed  
 28. a disturbance that reduces the quality of a signal  
 29. a wave in which the movement of the wave's medium is perpendicular to the movement of the wave traveling through the medium  
 31. something you can observe about an object, material, or system  
 32. requirements that must be met (plural of criteria)  
 33. a high-energy ocean wave created from the movement of Earth's crust

## Word Bank

|                      |               |                 |           |                  |                   |                 |
|----------------------|---------------|-----------------|-----------|------------------|-------------------|-----------------|
| inverse relationship | frequency     | brainstorm      | energy    | compression wave | trough            | amplitude       |
| Crest                | vibration     | Echo            | velocity  | reflection       | prototype         | wavelength      |
| Kinetic              | tsunami       | mechanical wave | volume    | reflect          | acoustics         | pulse           |
| decibel              | pitch         | constraint      | acoustics | property         | acoustic engineer | oscillation     |
| wave                 | reverberation | noise           | medium    | criterion        | node              | transverse wave |
| pattern              | absorb        |                 |           |                  |                   |                 |

## Down

35. the study of sound  
 36. Height of the peaks above the resting line in a wave  
 37. energy of movement  
 1. a person who creates designs to enhance the quality of sound within a space  
 2. a repeating and recognizable feature  
 3. highness or lowness of sound, which depends on the frequency of its sound wave  
 4. a regular pattern of motion  
 7. a physical or digital model of a new design  
 8. the reflection of a sound off a distant surface  
 9. back and forth pattern of motion that transfers energy  
 10. unit to measure the amplitude of sound  
 13. short burst that travels as a wave  
 14. a factor that limits what can be done  
 15. speed  
 17. A wave in which the wave's medium is compressed in the same direction as the movement of the wave; AKA- longitudinal wave

## Across

18. to bounce back  
 19. the collection of closely spaced sound reflections off many surfaces  
 20. the low point of a wave  
 22. the bouncing back of waves off an object  
 23. a quick back and forth pattern  
 24. a point where a wave crosses its resting line  
 26. to take in or soak up  
 30. The study of sound  
 34. how loud a sound is, which depends on the amplitude of its sound wave