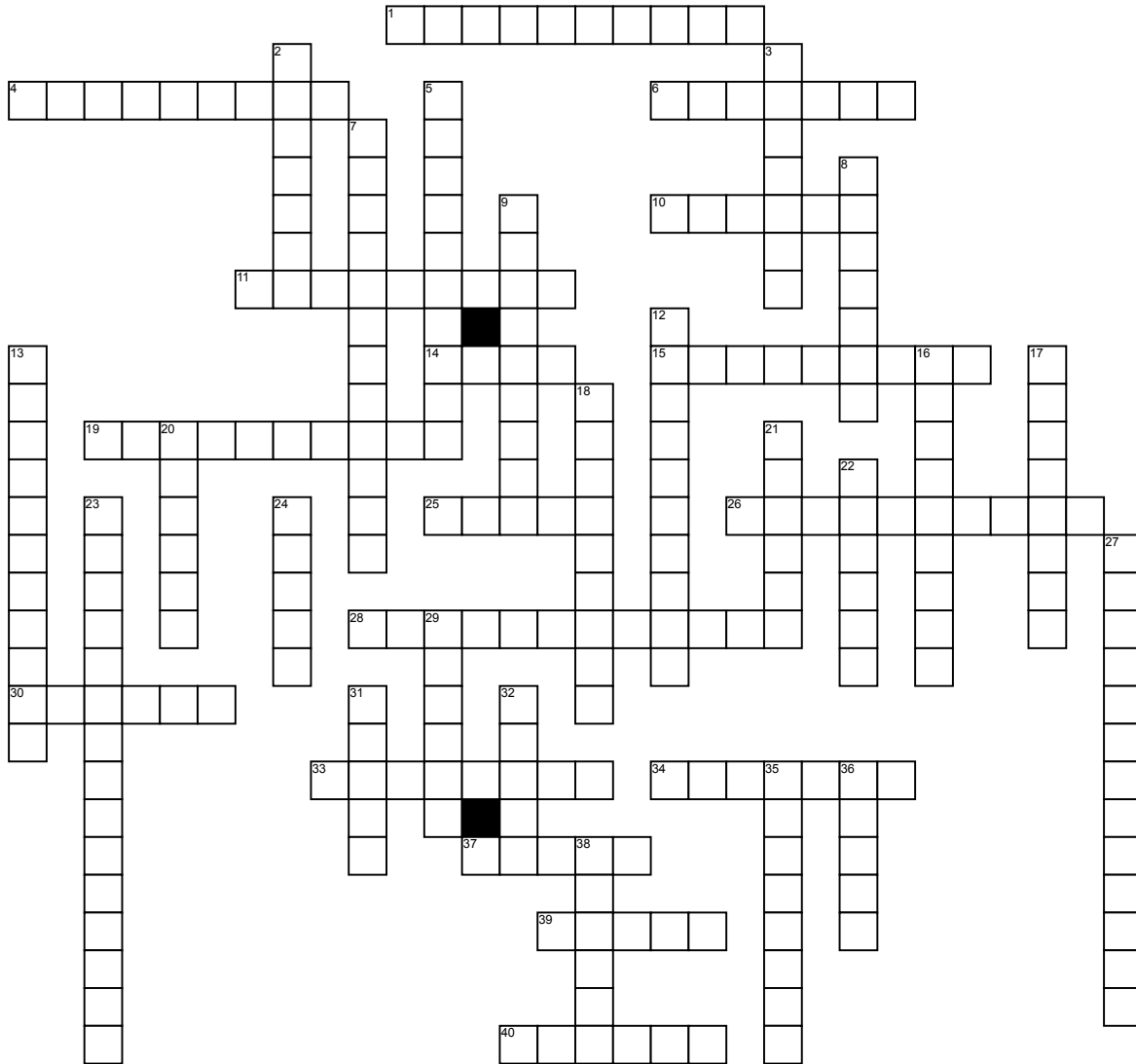


# Waves and energy



## Across

1. Term used to describe bending of light.
4. \_\_\_\_\_ produces sound.
6. Energy type possessed by moving objects.
10. This is the second most refracted colour on the spectrum.
11. Instrument used in submarines to see above water surface.
14. The colour part of your eyes.
15. This wave property is linked to pitch.
19. Blue skies and orange sunsets are phenomenon of light \_\_\_\_\_.
25. This colour is considered a primary colour in light, but not in paint (art).
26. The distance between two troughs or two crests of a wave.
28. An electrocin instrument which transforms sound into waves graph displayed on a screen.
30. Imaginary line perpendicular to a reflective surface.
33. A convex mirror \_\_\_\_\_ reflection rays.

34. The \_\_\_\_\_ nerve sends light signals to your brain.

37. Chemical potential energy is stored inside bonds between \_\_\_\_\_.

39. The fourth least refracted colour in the colour spectrum.

40. Part of the eye where light enters first.

## Down

2. Short-sightedness is corrected by \_\_\_\_\_ lenses.
3. Light refraction occurs when light travels through mediums of different \_\_\_\_\_.
5. Light rays that leave the mirror.
7. Sound is a type of \_\_\_\_\_ wave.
8. This part of the ear contains a lot of fine tiny hairs that sense sound waves.
9. This wave property is linked to intensity (loudness).
12. Term used to describe how much energy is wasted.
13. Term used to describe objects that let some light through.
16. A concave mirror \_\_\_\_\_ reflection rays.

17. The \_\_\_\_\_ nerve sends sound signals to your brain.

18. Energy cannot be created nor destroyed. It can \_\_\_\_\_ from one form to another.

20. An area where light cannot reach because an object is blocking its path.

21. Term used to describe objects that do not let light through.

22. Image forms on this part of your eye.

23. Light is a type of \_\_\_\_\_ wave.

24. The black hole at the front of your eye.

27. Our eyes are filled with this substance.

29. Type of lens used in magnifying glass. A converging lens.

31. Type of glass block used to separate white light.

32. All waves travel through a medium except \_\_\_\_\_.

35. Light rays that strike a mirror.

36. The three small bones inside our ear are hammer, \_\_\_\_\_, and stirrup.

38. A shiny surface that reflects light.