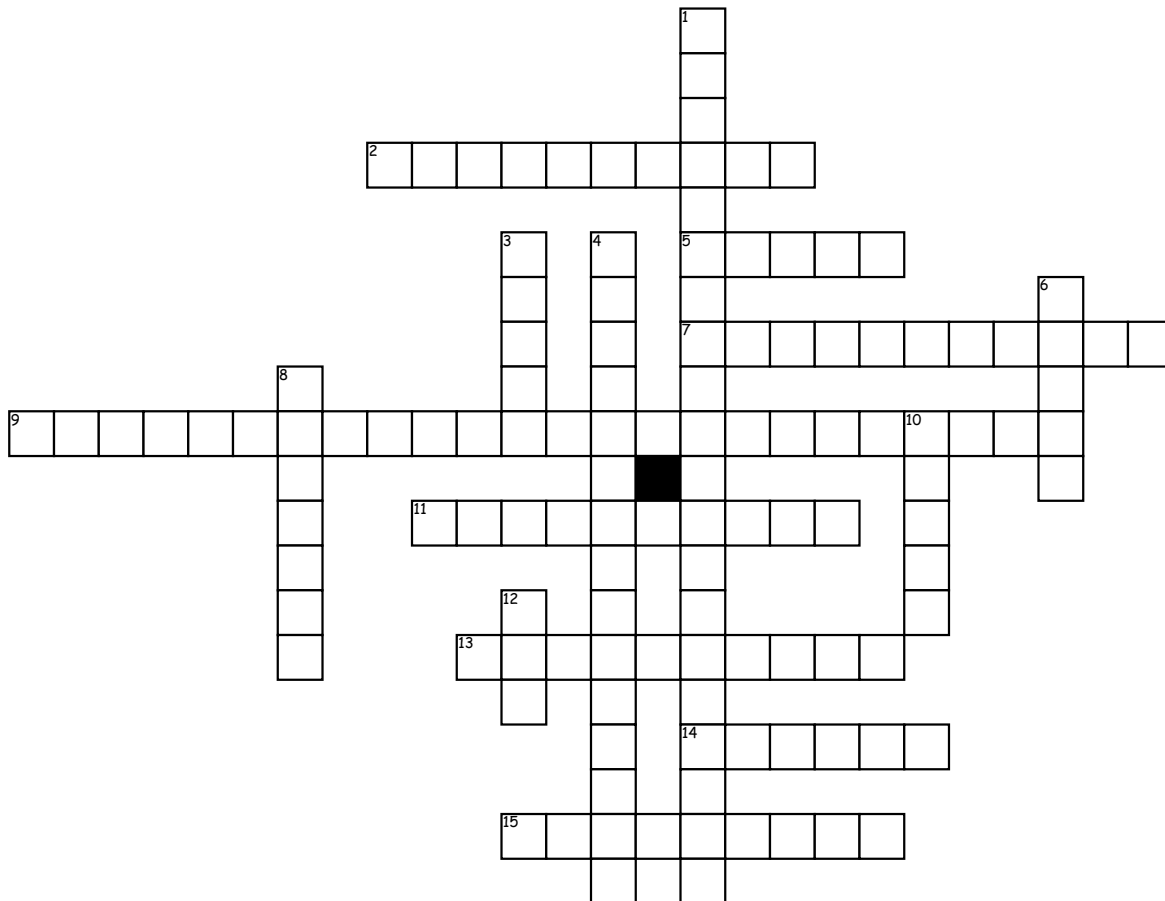


light and sound



Across

2. The deflection of a wave, such as light or sound wave, when it passes obliquely from one medium to another caused by its change in speed

5. Electromagnetic radiation within the portion of the electromagnetic spectrum that can be perceived by the human eye

7. Refers to the electromagnetic energy that is invisible to the human eye

9. Series of steps that engineers follow to come up with a solution to a problem

11. Castin back a light or heat, mirroring or giving back or showing an image

13. Property of a wave that is the distance between identical points between 2 successive waves

14. A point on a wave where the displacement of the medium is at a minimum

15. How often something happens in a period of time. In science and technology frequency is measured in Hz (Hertz)

Down

1. Portion of the electromagnetic spectrum that is visible to the human eye

3. Vibration of the air producing sound

4. Motion in which all points on a wave oscillate along paths at right angle to the direction of the wave's advance; electromagnetic waves are transverse waves

6. A point on a wave where the displacement of the medium is at a maximum

8. Casting back a light or heat, mirroring, or give back, or showing an image

10. A point on a wave where the displacement of the medium is at a maximum

12. Narrow beam of light