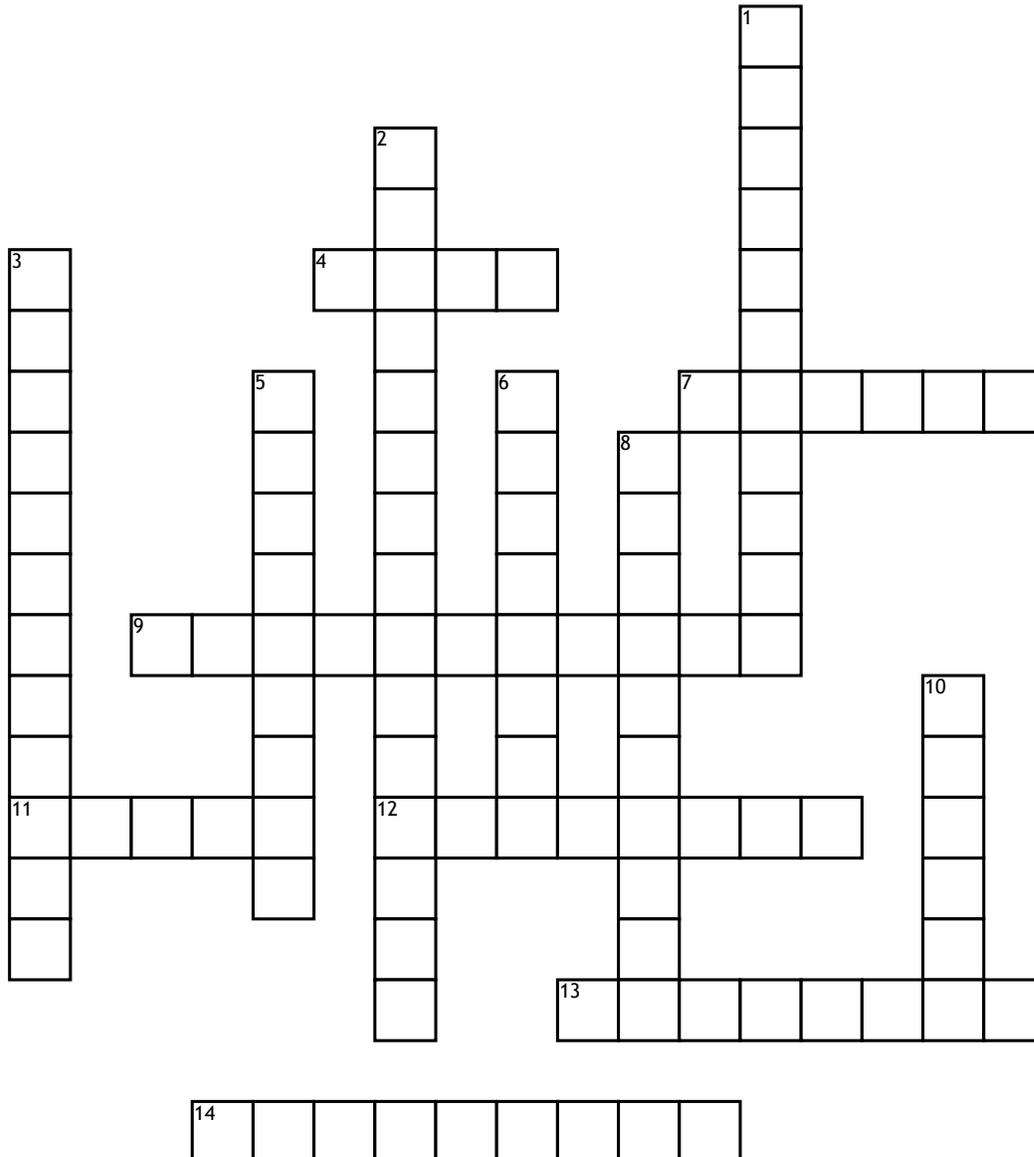


Light Waves



Across

- 4. The average speed of light in glass is _____ than the speed of light in air.
- 7. Our _____ has a diameter of 100,000 light-years.
- 9. Electromagnetic waves of frequencies higher than those of violet light
- 11. Which type of electromagnetic wave has the highest frequency?

12. Light is energy that is emitted by accelerating _____ charges.

- 13. Electromagnetic waves of frequencies lower than the red of visible light
- 14. Who experimented in 1880 to calculate the speed of light

Down

- 1. Glass and water are _____ materials. They allow light to pass through.
- 2. Light travels as an _____ wave.

3. Our atmosphere is transparent to _____ and some infrared light.

- 5. What is the distance light travels in one year
- 6. Light is both a _____ and a wave.
- 8. Light re emitted by a metal is seen as a _____.
- 10. Wood, stone and people are _____ materials. Light is absorbed without reemission.