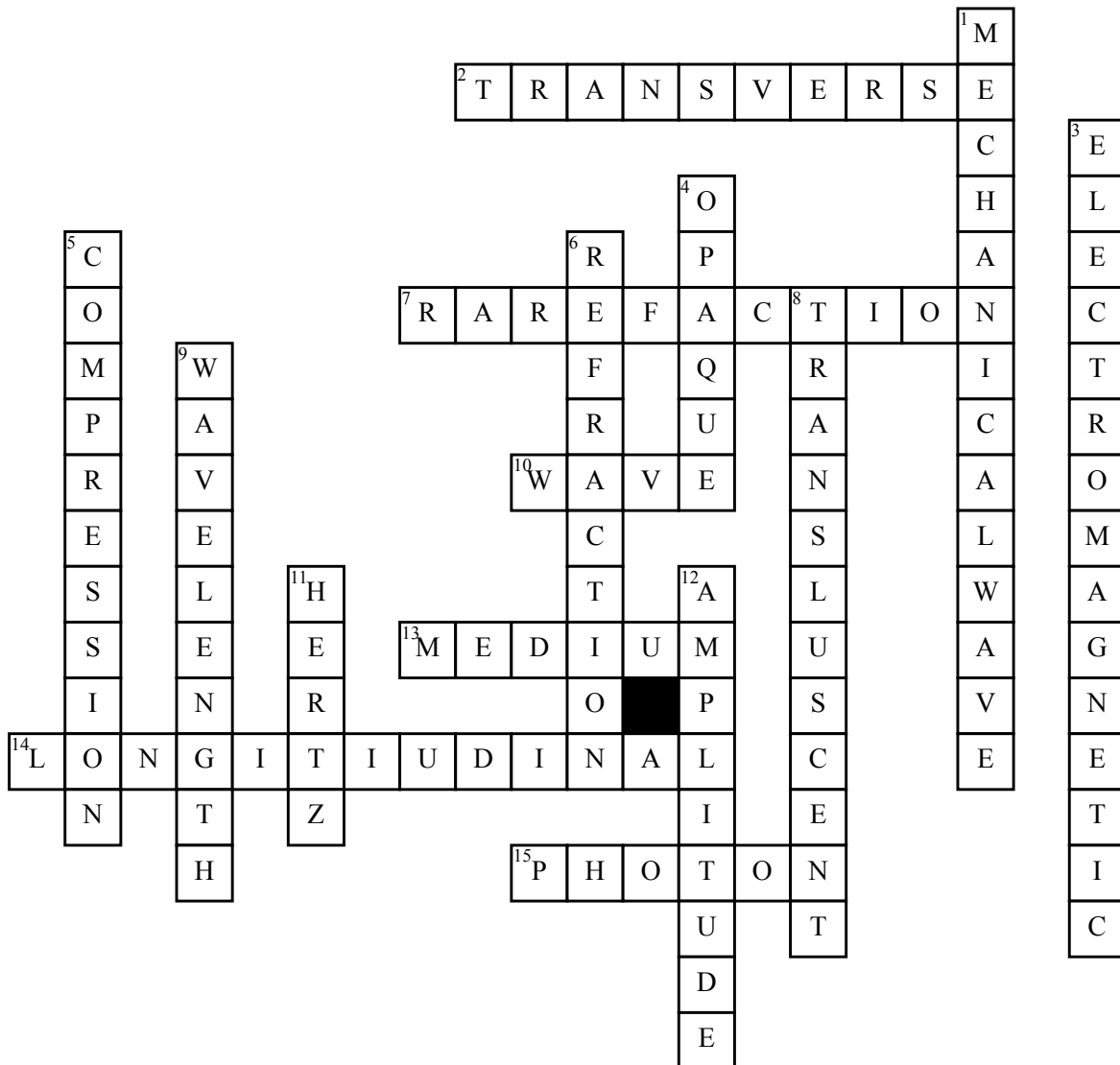


Unit 4: Waves



Across

2. a wave moving in a perpendicular manner

7. reduction of wave's density

10. vibration moving back and forth

13. energy that lets waves or vibrations travel

14. a wave moving in a parallel manner

15. particle representing electromagnetic radiation

Down

1. consists of transverse, longitudinal and surface waves

3. when a electric field couples with a magnetic field

4. not transparent or translucent

5. in longitudinal wave where particles are closer together

6. changed direction in light due to passing through different mediums

8. transparent, letting light pass through

9. distance between two crests of a wave

11. unit of frequency

12. amount of energy of a wave measured from the resting line