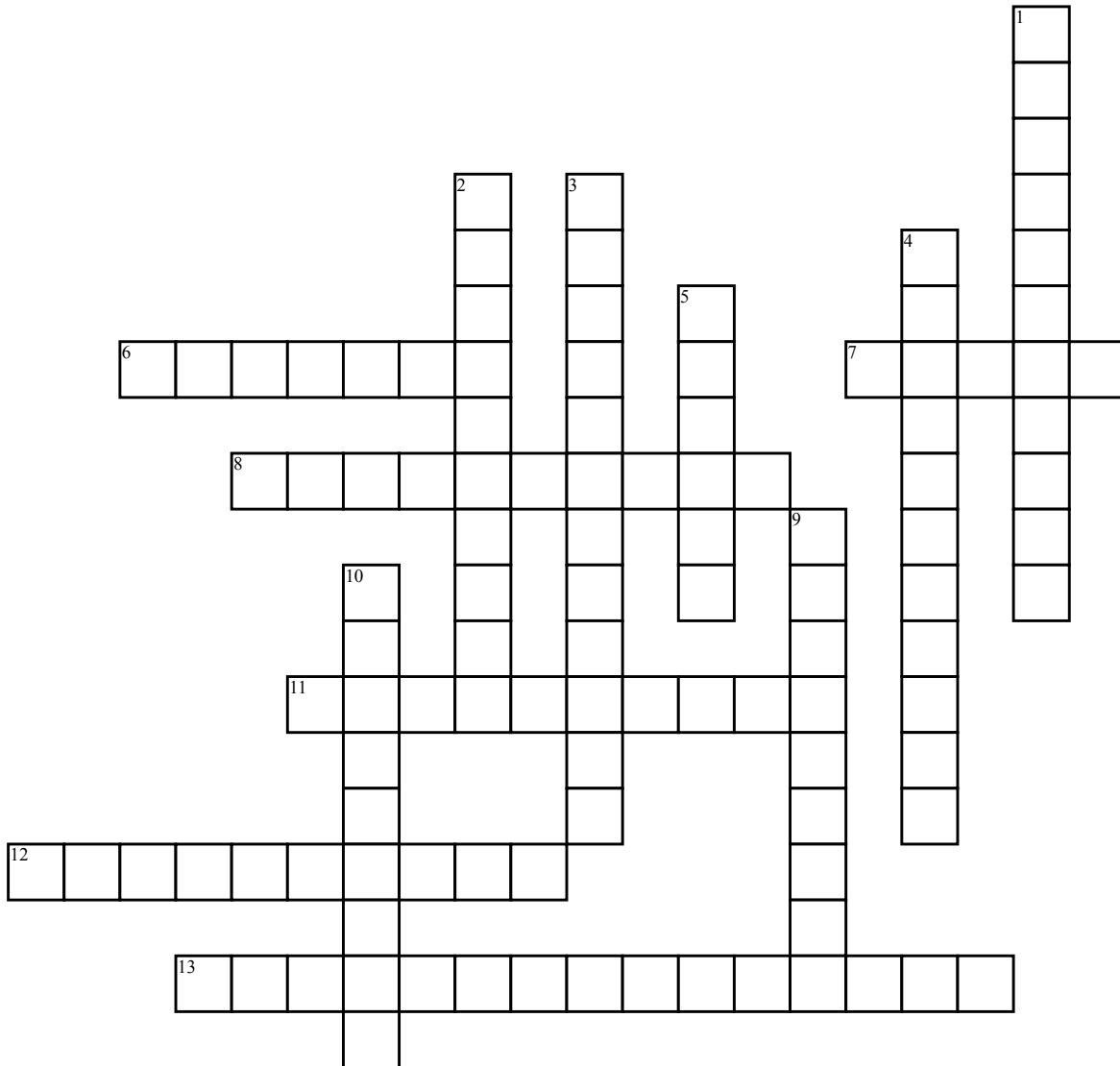


Waves and E.M. Spectrum



Across

6. A wave that travels along a surface separating two media

7. Point on a wave where the displacement of the medium is at a maximum

8. The full range of frequencies of electromagnetic radiation

11. Wave that requires a medium

12. Type of wave where the transfer of energy in a motion that is perpendicular to the direction the wave is traveling

13. A wave that does not require a medium

Down

1. The region in a wave where the particles are closest together

2. The distance between successive crests of a wave

3. Type of wave in which the vibration of particles is parallel to the direction of the wave

4. An area where the particles in a medium are spread out

5. The lowest point below the rest position of a wave

9. The distance from the still position of a wave to the top of a crest or bottom of a trough

10. The number of crests of a wave that move past a given point in a given unit of time