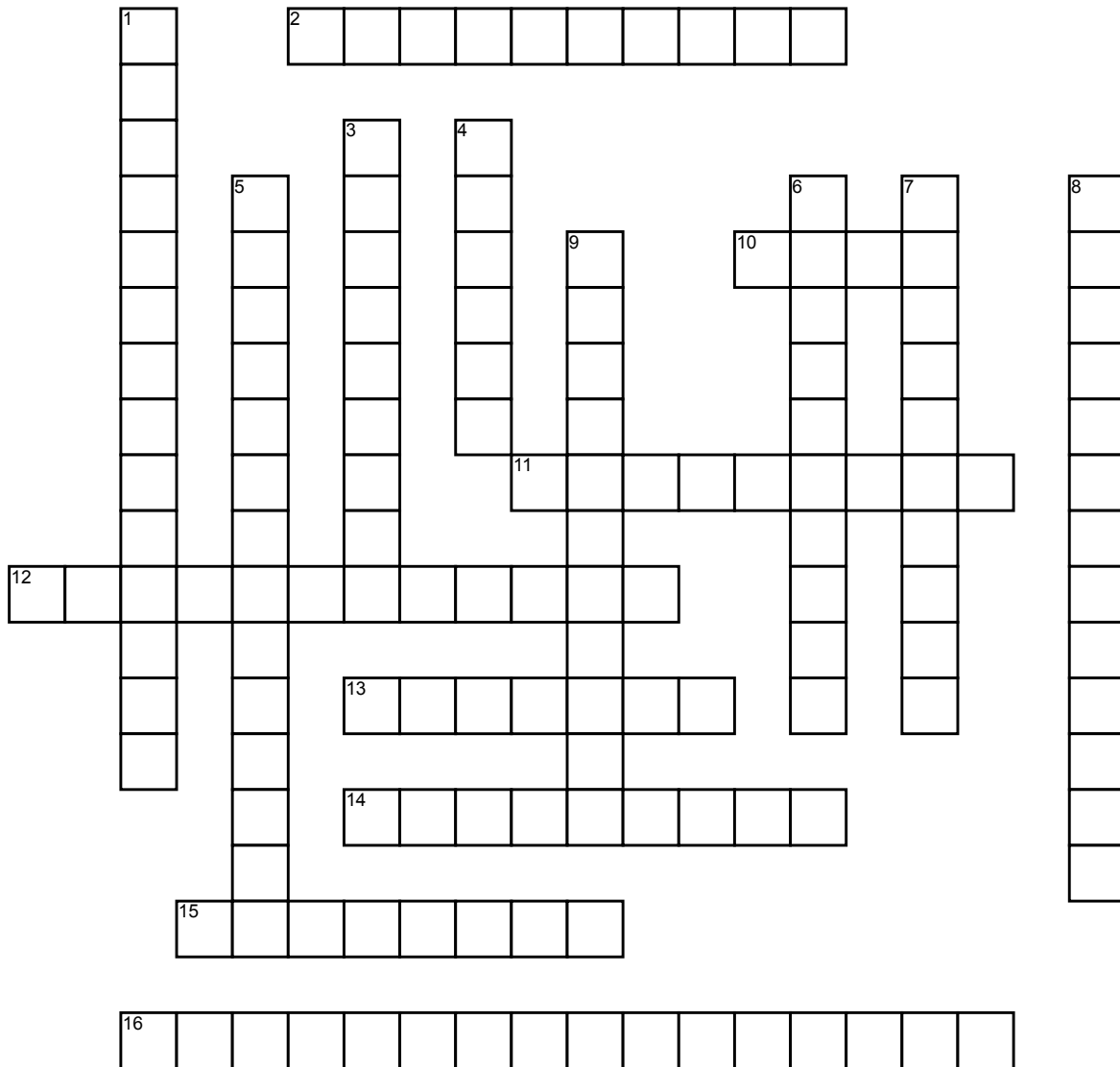


Periodic Motion and waves



Across

- 2. when a wave moves through different media, its speed changes this phenomenon
- 10. transferring energy from one point to another
- 11. the number of waves passing each second
- 12. phenomenon in which two waves superpose to form a resultant wave of greater, lower, or the same amplitude.
- 13. when a constant amplitude is important, such as in mechanical clocks or playground swings

- 14. the opposite of damping
- 15. simply a mass attached to an arm at a pivot point that swings under the influence of gravity

- 16. the particles move parallel to each other

Down

- 1. motion repeated in equal intervals of time
- 3. the maximum distance that a system moves from its rest position
- 4. the time for once cycle or a complete motion that returns to its starting point

- 5. the particles move perpendicular to each other
- 6. the distance between two consecutive crests or troughs
- 7. the bouncing back of wave after hitting the surface
- 8. change in frequency is heard when the source of sound and the person receiving the sound are in relative motion
- 9. when a wave moves past a corner in its medium, it naturally folds or flows around the corner