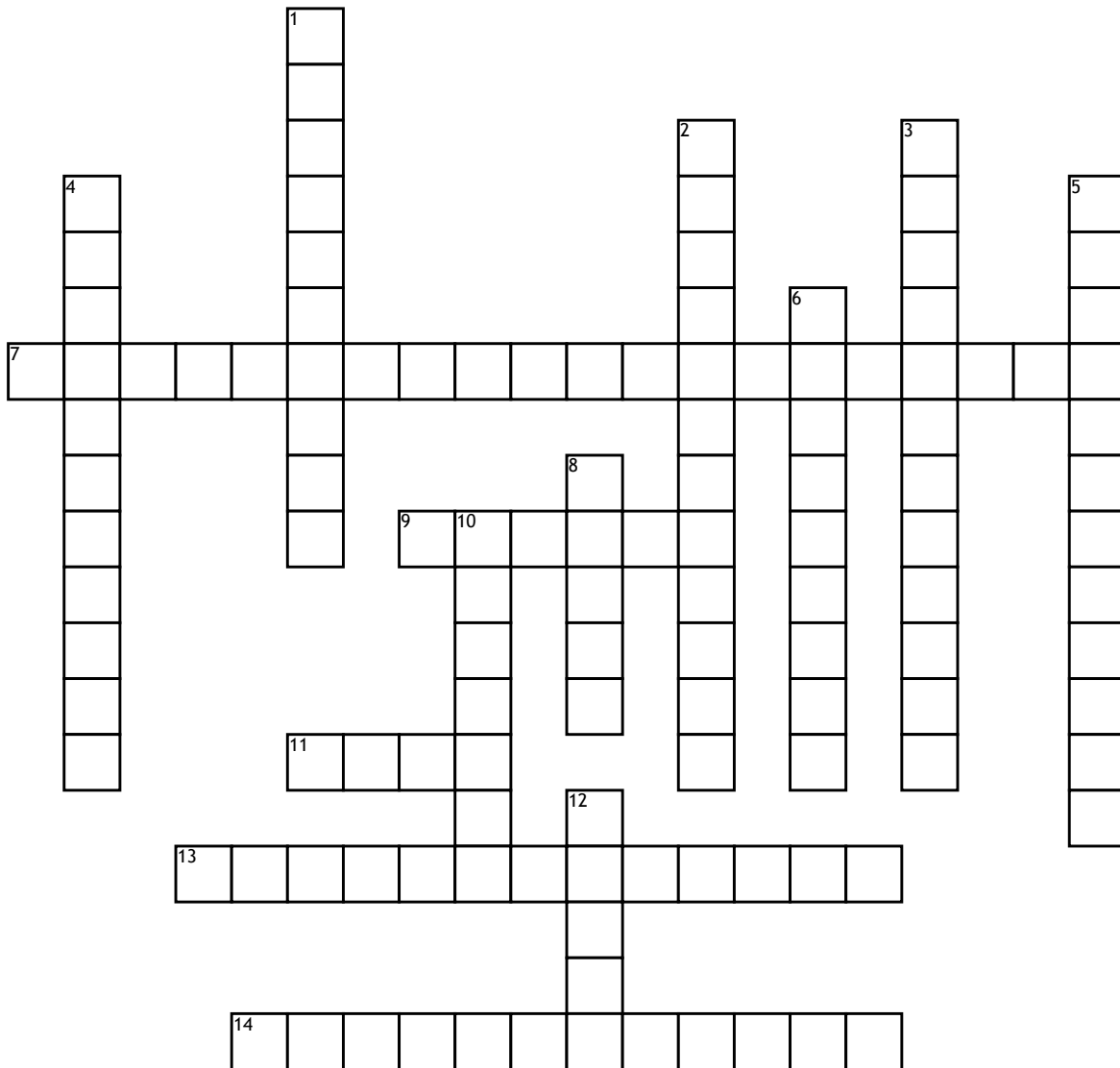


Name: _____

Date: _____

Waves



Across

- 7. Vibrations about an equilibrium position in which a restoring force is proportional to the displacement from the equilibrium.
- 9. Time to complete one full cycle
- 11. A point in a standing wave that maintains zero displacement
- 13. A change in observed frequency due to relative motion between the source of waves and an observer

- 14. High density areas in sound waves

Down

- 1. A wave in which particles move perpendicular to the wave motion
- 2. A wave in which particles move parallel to the wave motion
- 3. When two waves interfere to produce higher amplitude waves
- 4. Position at which kinetic energy is maximum

- 5. A wave pattern that results when two waves of the same frequency, wavelength and amplitude travel in opposite direction and interfere
- 6. Maximum displacement from the equilibrium position
- 8. Frequency of sound waves
- 10. Position at which potential energy is maximum
- 12. When two sound waves of close enough frequency are played together, _____ are formed