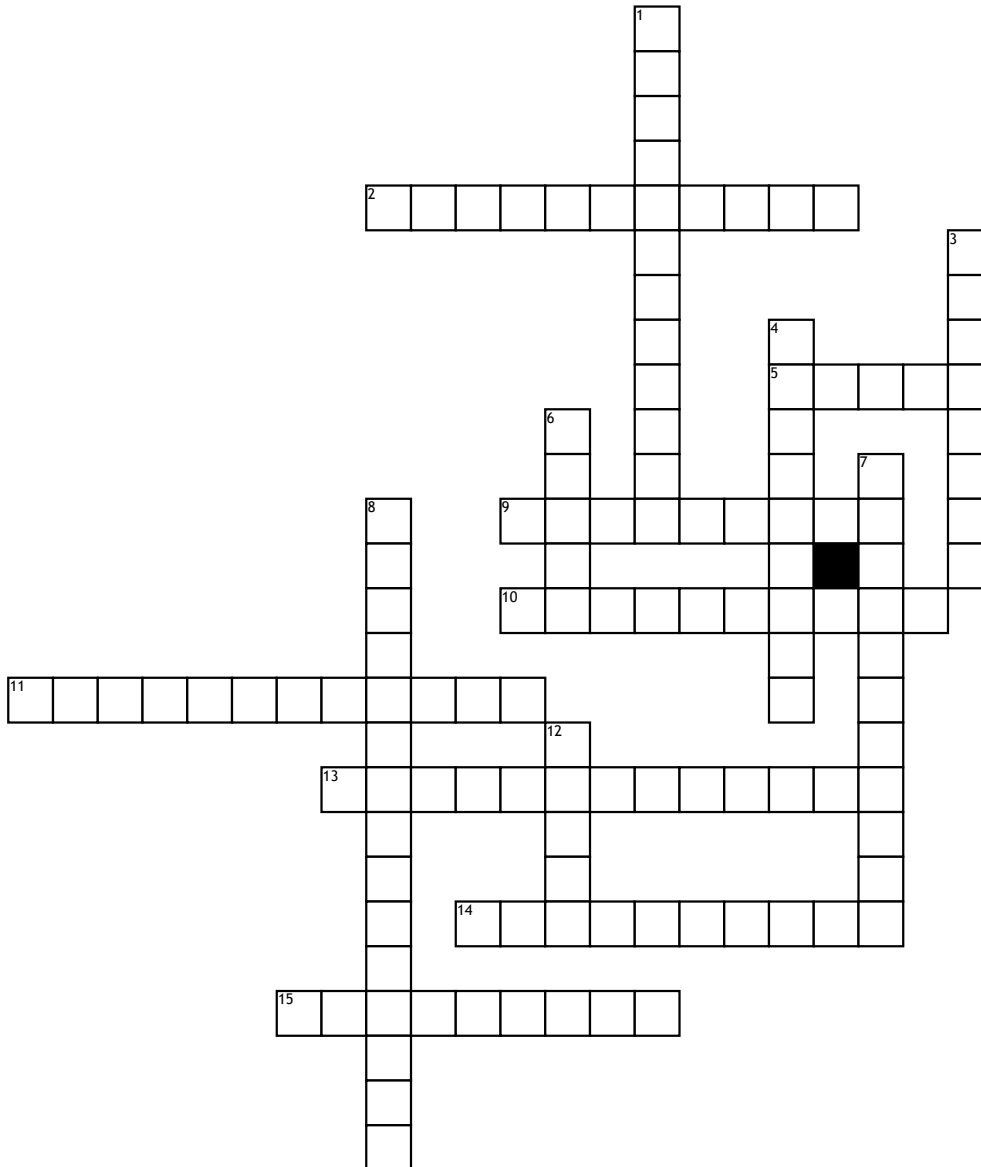


Name: _____

Date: _____

Waves



Across

2. cancer causing radiation

5. electromagnetic radiation with the longest wavelength

9. related to the potential energy

10. Distance between one crest and the next crest

11. interference that results in a wave with a greater amplitude than its component waves

13. Change in frequency that results from a moving wave source

14. the vibration of the wave is perpendicular to the direction of the wave

15. number of waves that pass a point per second

Down

1. sound is this type of wave

3. equal to the wavelength times frequency

4. Inverse of the period

6. electromagnetic radiation with the shortest wavelength

7. Interference that results in a wave amplitude that is less than its component waves

8. waves that do not need a medium in which to travel

12. speed of the wave depends on this