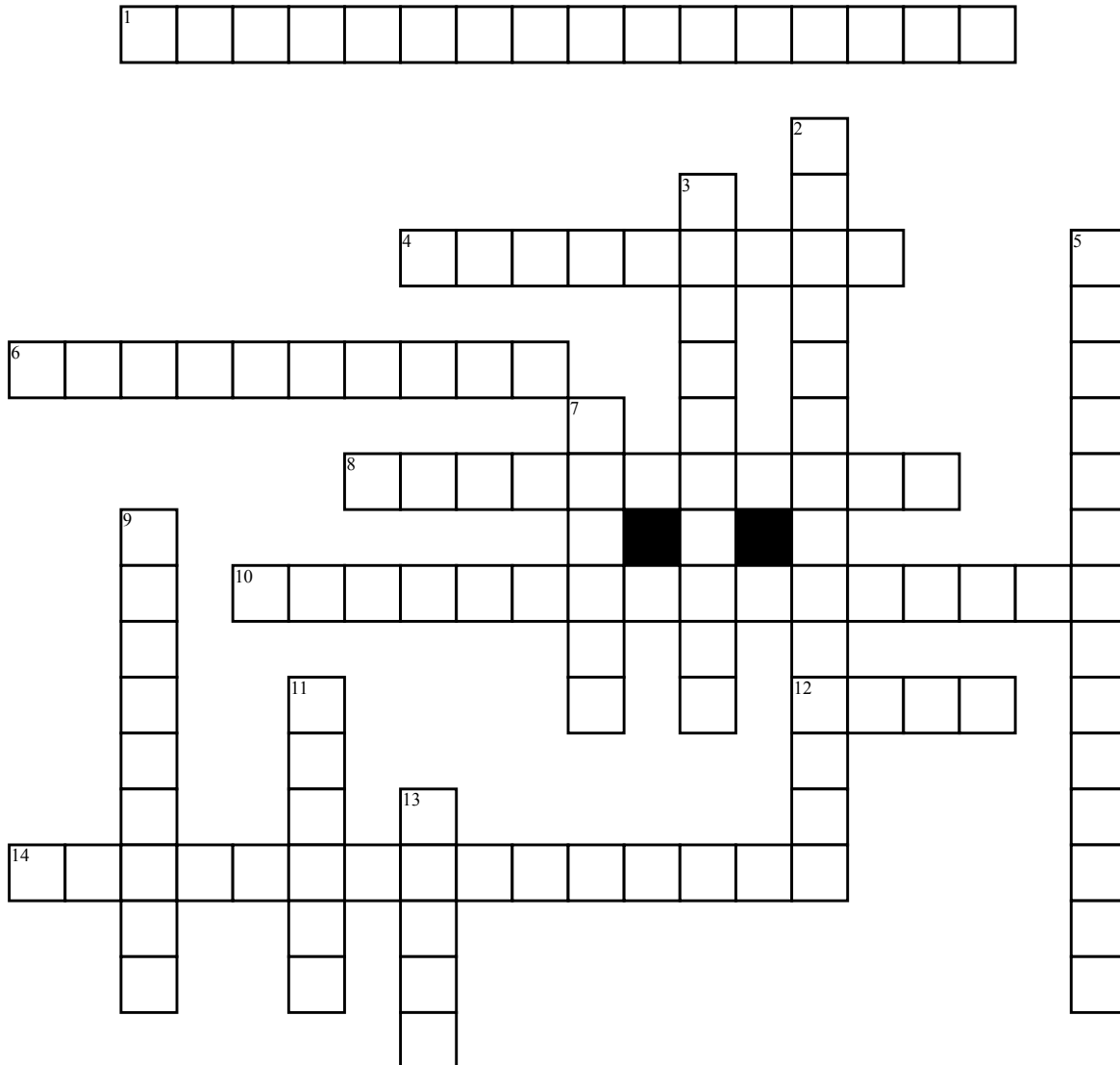


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Waves



## Across

1. the part of the electromagnetic spectrum that consists of waves with frequencies higher than those of visible light and lower than those of x-rays
4. the number of waves that pass a fixed point in a given amount of time, usually one second; the number of cycles per unit time
6. the bending of a wave as it crosses the boundary between two mediums at an angle other than 90 degrees
8. the spreading out of waves as they pass through an opening or around the edges of an obstacle

10. a type of wave in which the disturbance moves in the same direction that the wave travels

12. a disturbance that transfers energy from one place to another without requiring matter to move the entire distance

14. equal to the distance between the trough and the equilibrium position.

## Down

2. a wave, such as a sound wave or a seismic wave, that transfers kinetic energy through matter
3. the bouncing back of a wave after it strikes a barrier

5. a type of wave in which the disturbance moves at right angles, or perpendicular, to the direction in which the wave travels

7. the lowest point, or valley, of a wave

9. the maximum distance that a disturbance causes a medium to move from its rest position; the distance between a crest or trough of a wave and line through the center of a wave

11. a substance through which a wave moves

13. the highest point, or peak, of a wave