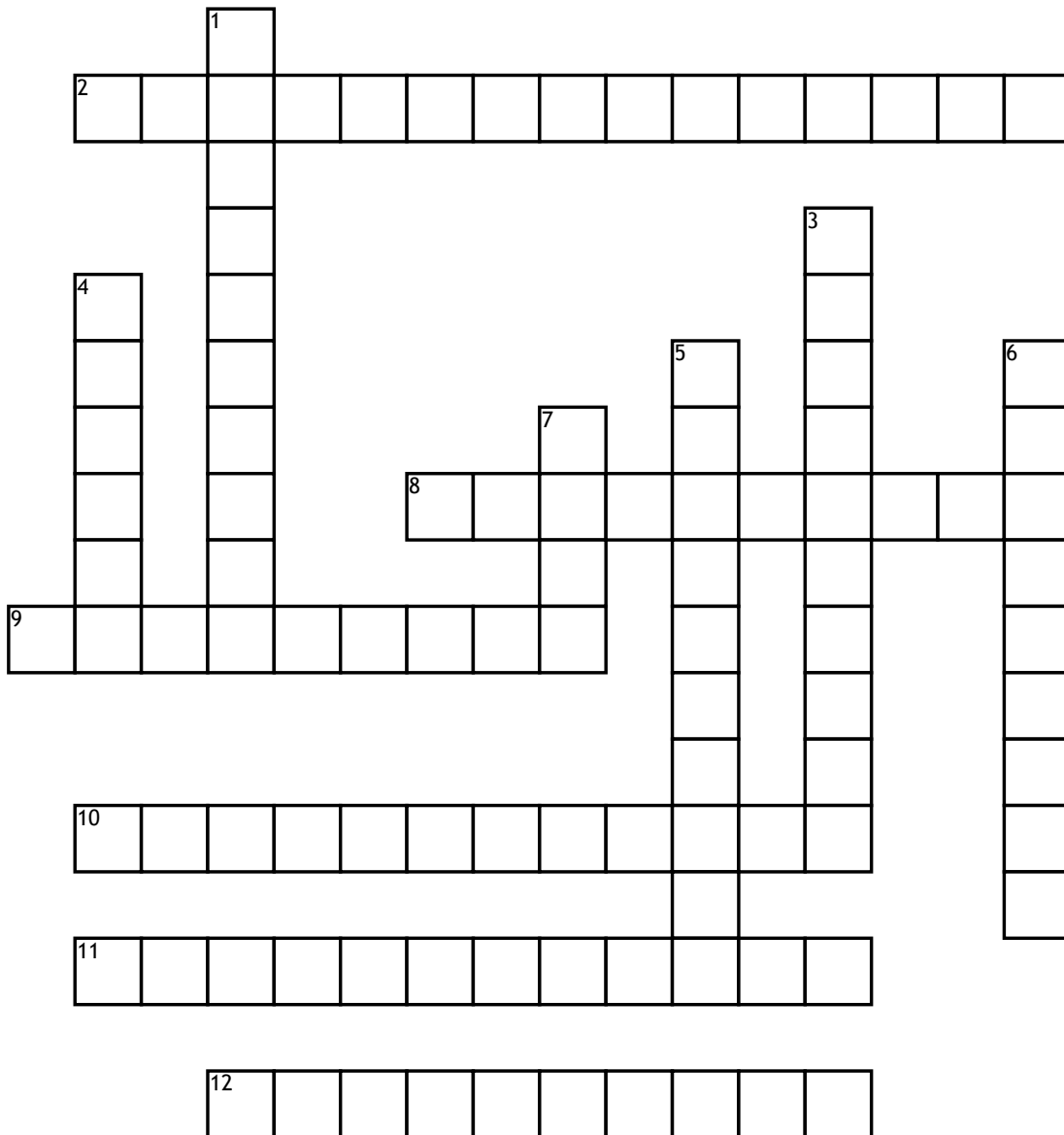


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Waves



## Across

2. What is a wave that can travel through empty space and through matter?

8. What is a wave in which the disturbance is perpendicular to the direction that the wave travels?

9. What word defines how far a wave moves from its rest position?

10. What is the passage of light through an object?

11. Which wave makes particles in a medium move parallel to the direction that the wave travels?

12. What is the distance from one point on a wave to the same point on the next one?

## Down

1. What kind of wave is a movement of matter?

3. What is the bouncing of a wave off a surface?

4. What substance makes the transfer of energy from one location to another possible?

5. What is a transfer of energy by a wave to the medium it travels through?

6. What word defines the number of wavelengths that pass through a specific point each second?

7. What is a disturbance that transfers energy from one place to another without transferring matter?