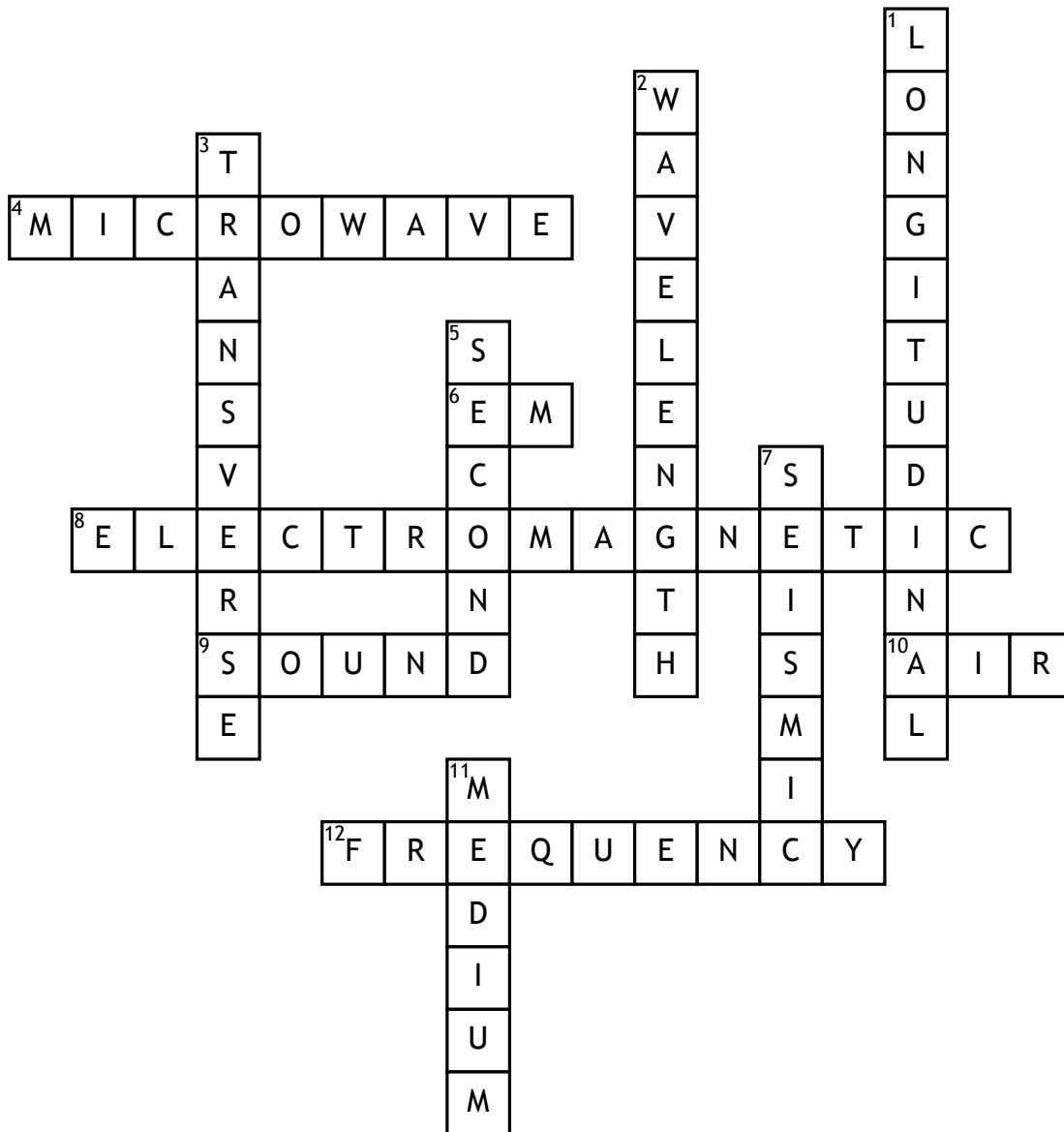


# Organization of Waves



## Across

4. a type of electromagnetic wave that is used to cook or heat up food
6. x-ray, visible light, microwaves, and radio waves are all examples of \_\_\_\_\_ waves
8. type of waves that transfer energy but does not need a medium
9. this wave is an example of a longitudinal wave

10. This is the usual medium for sound waves

12. this is a characteristic of waves that describes how many waves pass a fixed point in a period of time

## Down

1. type of wave where the particles vibrate back and forth in the same direction as the wave
2. the distance between 2 crests or 2 compressions of a wave

3. type of wave where the particles of the medium vibrate in an up-and-down motion
5. frequency of waves is the number of waves passing a fixed point in one \_\_\_\_\_
7. this is a transverse wave that travels through the ground
11. a substance that a wave can travel through by vibrating the particles in the material