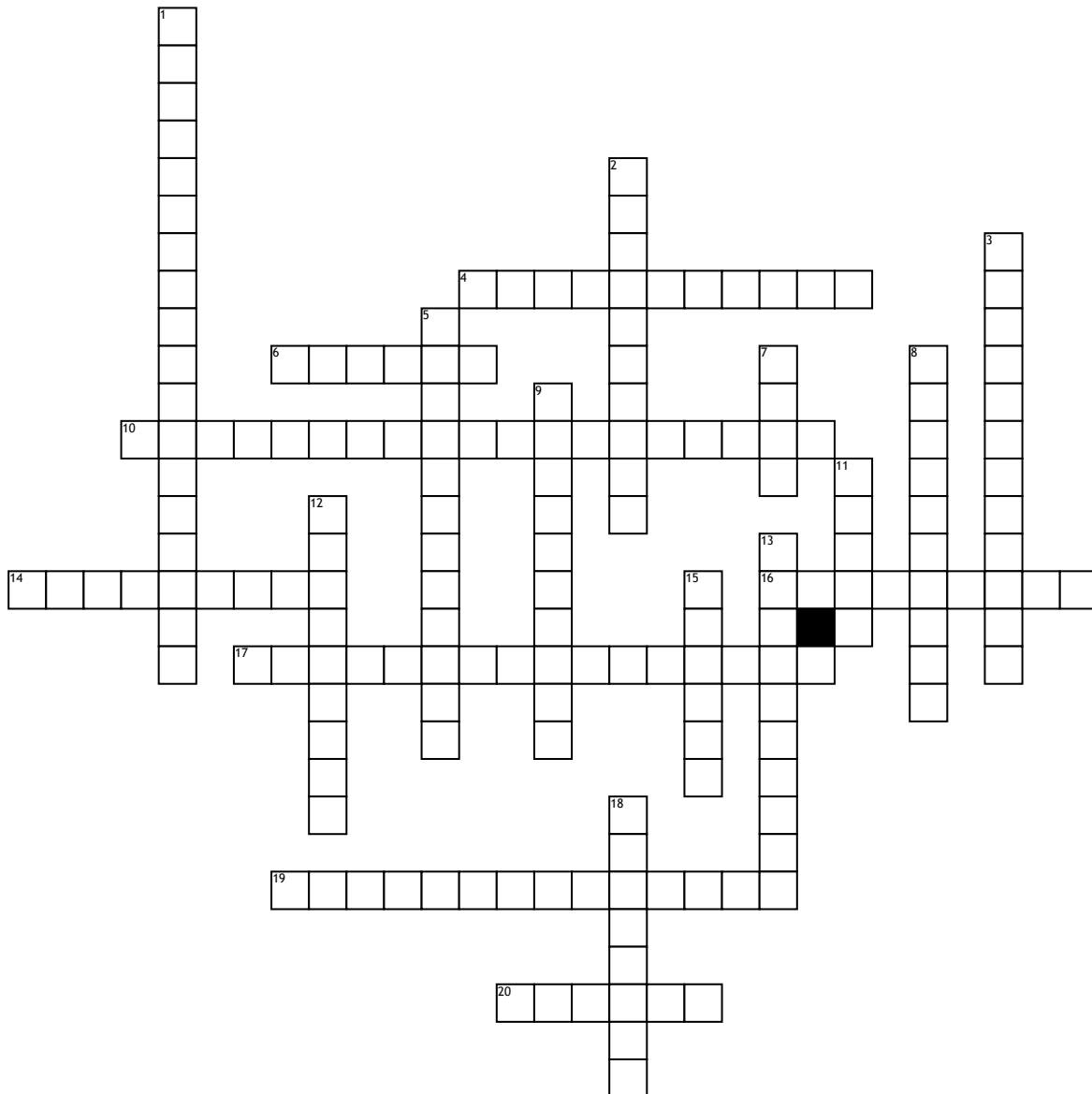


Waves



Across

4. the spreading of a wave around a barrier or through an opening
6. the shortest time interval during which the motion of the wave repeats itself
10. a wave that travels through variations in an electric and magnetic field
14. the maximum displacement of a particle of the medium from the rest or equilibrium position
16. the vibration an object caused by a another vibration at the objects natural frequency
17. the midpoint of the wave halfway between a crest and trough on a symmetrical wave

19. a wave that requires a physical medium to transfer through

20. the material the wave is traveling through

Down

1. the angle of incidence is equal to the angle of reflection
2. the wave that travels through variations in an electric and magnetic field
3. the displacement of the particles of the medium is parallel to the direction of. wave propagation
5. the action of restriction the vibrations of a transverse wave to one single direction

7. a disturbance that transfer energy from one place to another

8. the length from one crest to the other

9. the turning back of a wave when it reaches the boundary of the medium through which it is traveling

11. the highest point on a wave

12. how often or how quickly a wave passes by

13. the displacement of the particles of the medium is perpendicular to the direction of wave propagation

15. the lowest point on a wave

18. the speed of a wave