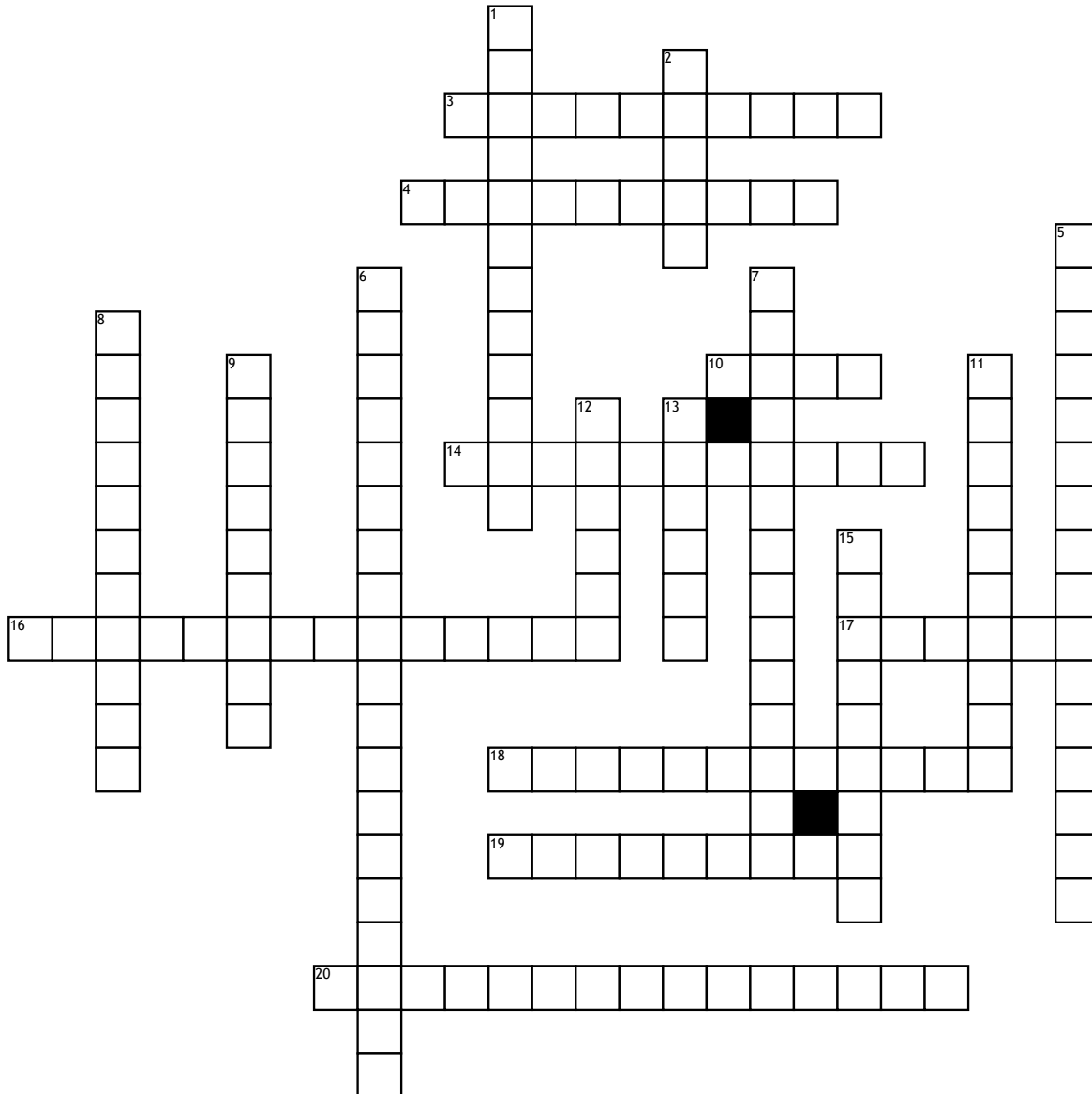


waves



Across

3. distance from crest to crest or trough to trough
 4. sun hits atoms causing them to vibrate
 10. can transfer sound, heat and light
 14. the tight areas of a longitudinal wave
 16. travels through a medium
 17. particle representing a quantum of light

18. the areas of a longitudinal wave with less density

19. speed of a wave

20. law of when a ray of light hits a direction it will change its angle

Down

1. when light is being transmitted
 2. unit of frequency
 5. has compressions and rarefractions

6. does not require medium

7. has crests and troughs

8. transparent

9. number of waves in a certain time

11. when a ray hits glass and its angle changes

12. non translucent

13. carries a wave

15. distance between restline and crest or trough