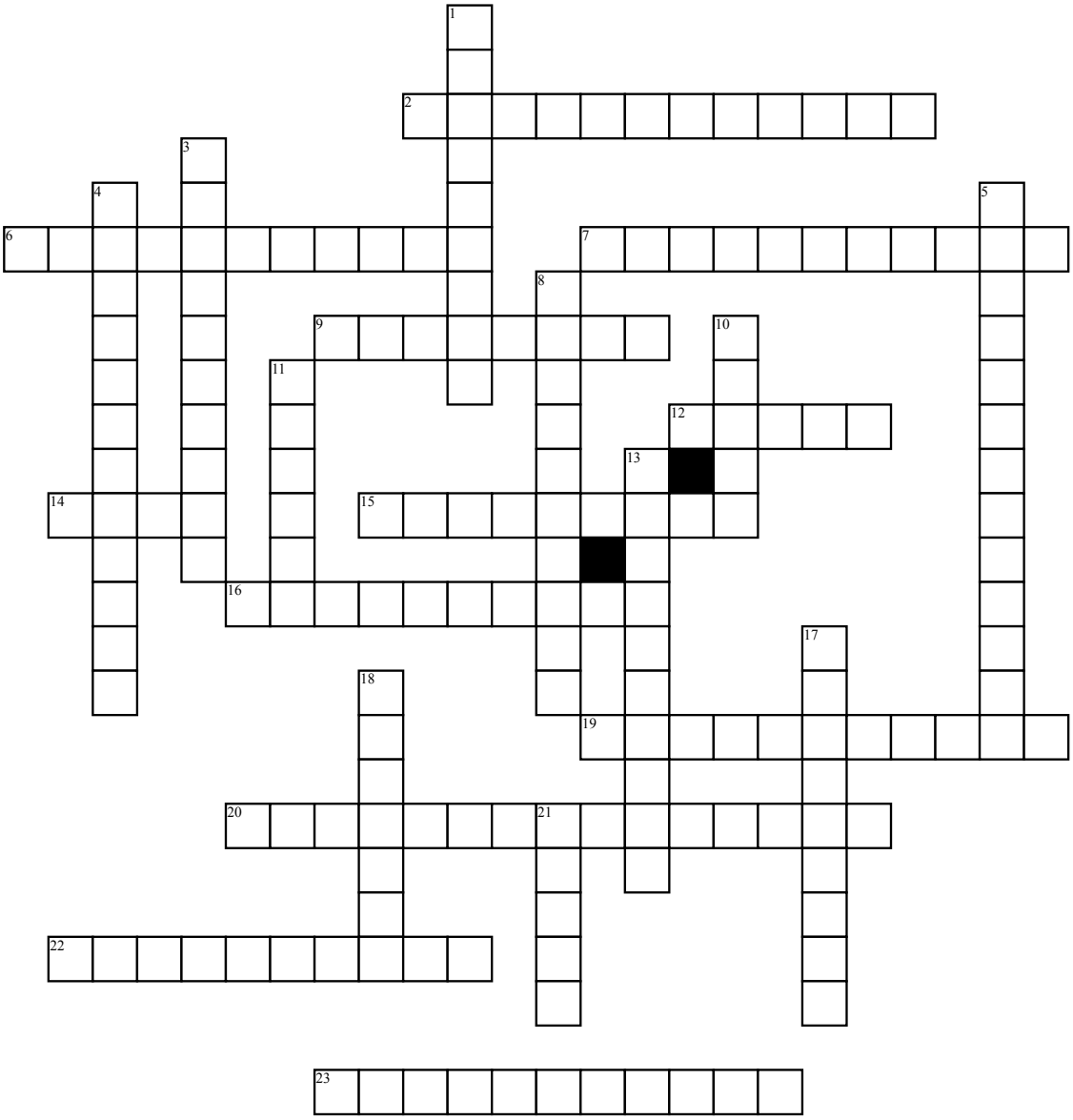
Name: _____ Date: _____

Light and sound



Across

2. What is the speed at which a sound wave travels?
6. It allows some light to pass through; blurry image can be seen.
7. What is the area of a sound wave where the air is pused together?
9. What is the measure of the amount of sound energy reaching your ears?
12. It is the measure of how high or low the sound is.
14. It is a sound reflection.
15. What is a large, quick air pressure increase followed by a large quick decrease. An object moving faster than the speed of sound dose this. We hear a large "BOOM" when this happens.
16. It is the bending of the path of light when it moves from one kind of matter to another
19. It is the distance in a straight line from one place on a ripple to the same place on the next ripple.
20. What is the range of light that people can see is?
22. What allows most light to pass throgh; clear image can be seen
23. Itis the part of a sound wave where that molecules are close together.

Down

1. What is the greatest distance from the top of a sound wave to the bottom of the wave. The more energy a wave carries, the greater its amplitude.
3. The stoping of light when it hits the wall is?
4. What is the part of a sound wave where the molecules are spread apart?
5. It is the change in frequency and pitch as a source of sound waves moves toward or away from you.
8. What is the boucing of light?
10. It is a soild object that bends light; not a lens
11. What is reflecting or absorbing all light; no image can be seen
13. It is quickly moving in the areas of high and low pressures.
17. What is the number of times an object viberates per second?
18. It is a unit for measuring loudness.
21. A vibration you can hear is?