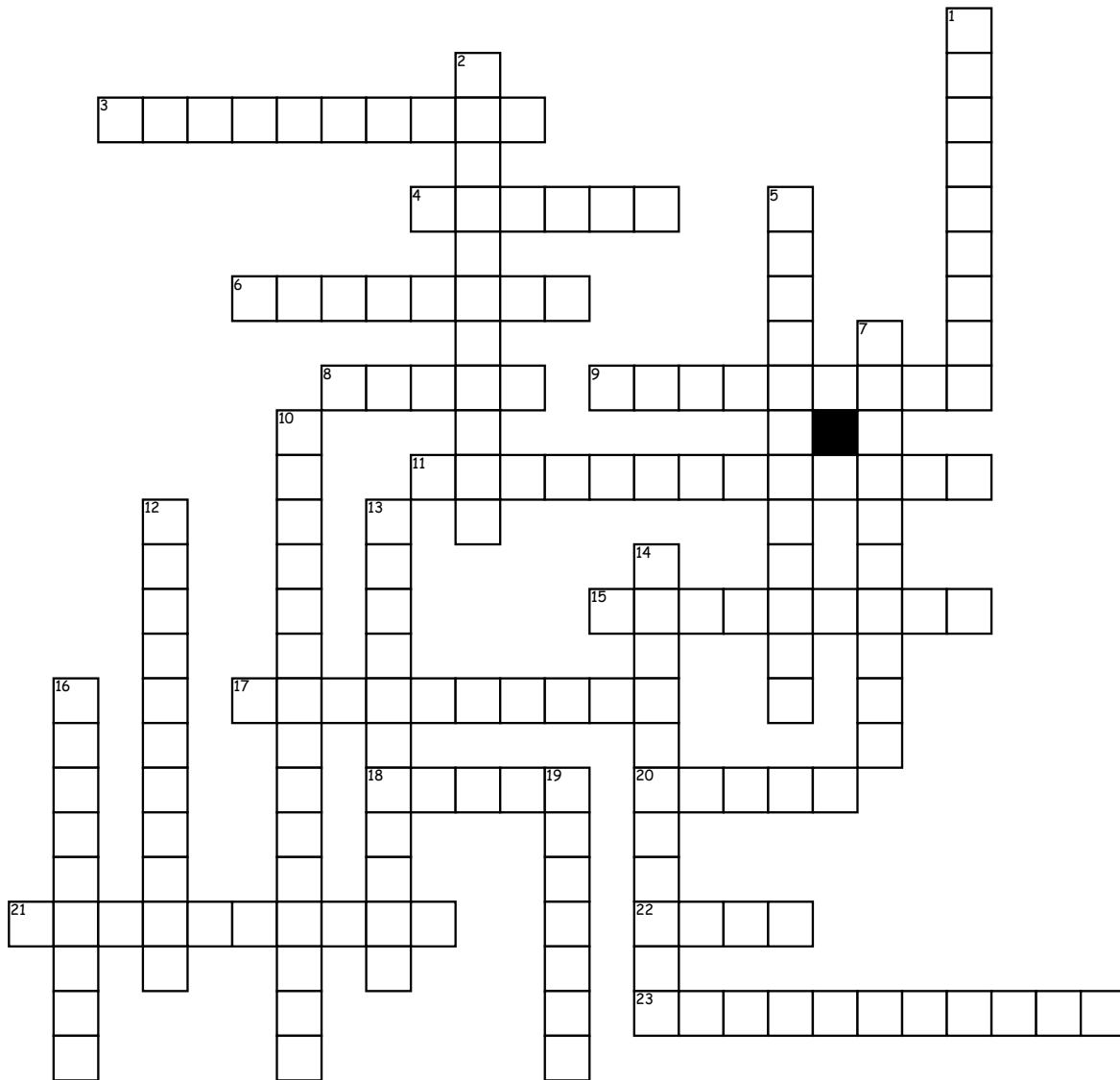


Name: _____

Date: _____

Science - Light & Sound



Across

3. the bouncing of light off an object

4. reflecting or absorbing all light; no image can be seen

6. the measure of the amount of sound energy reaching your ears

8. a solid object that bends light; not a lens

9. quickly moving areas of high and low pressure

11. the change in frequency & pitch as a source of sound waves moving towards you or away you

15. the number of times an object vibrates per second

17. the bending of the path of light when it moves from one kind of matter to another

18. a vibration you can hear

20. the measure of how high or low the sound is

21. the stopping of light when it hits a wall or other opaque

22. a sound reflection

23. allowing some light to pass through; blurry image can be seen

Down

1. the greatest distance from the top of a sound wave to the bottom of the wave, the more energy a wave carries, the greater the amplitude

2. the part of the sound wave where the molecules are close together

5. the speed at which a sound travels

7. the distance in a straight line from one place on a ripple to the same place on the next ripple

10. the range of light energy that people can see

12. the part of a sound wave where molecules are spread apart

13. the area of a sound wave where the air is pushed together

14. allows most light to pass through; clear image can be seen

16. a large, quick air pressure increase followed by a large quick decrease, an object moving faster than the speed of sound does this, so we hear a large BOOM when it happens

19. a unit for measuring loudness