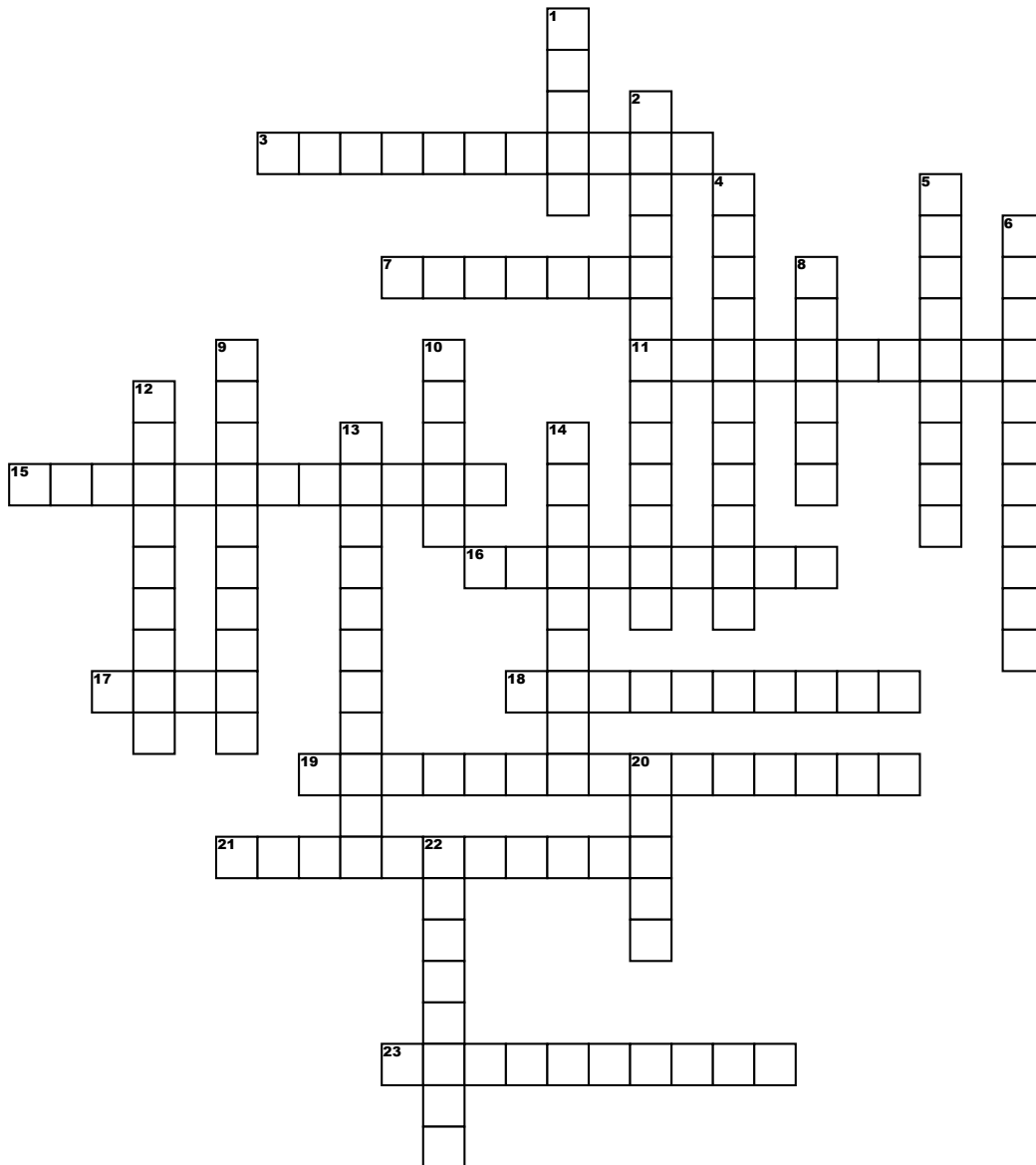


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Payton Konops Light and Sound Puzzle



## **Across**

- 3.** the part of a sound wave where molecules are close together  
**7.** a unit for measuring loudness  
**11.** the bending of the path of light when it moves from one kind of matter to another  
**15.** the speed of which sound waves travel  
**16.** a large quick air pressure increase followed by a big air pressure decrease.an object moving faster than the speed of sound does this  
**17.** a sound reflection  
**18.** the distance in a strait line from one place on a ripple to the next

- 19.** the range of light energy that people can see

- 21.** allows some light to pass through

- 23.** the bouncing of light off an object

## **Down**

- 1.** a solid object that bends light  
**2.** the change in frequency and pitch as a source of sound waves moves towards or away from you  
**4.** the part of a sound wave where molecules are spread apart  
**5.** the greatest distance from the top of a sound wave to the bottom of the wave  
**6.** allows most light to pass through

- 8.** reflecting or absorbing all light

- 9.** the stopping of light when it hits a wall or other opaque object

- 10.** a vibration you can hear

- 12.** the number of times an object vibrates per second

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

- 14.** quickly moving areas of high and low pressure

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

- 22.** the measure of the amount of sound energy reaching your ears