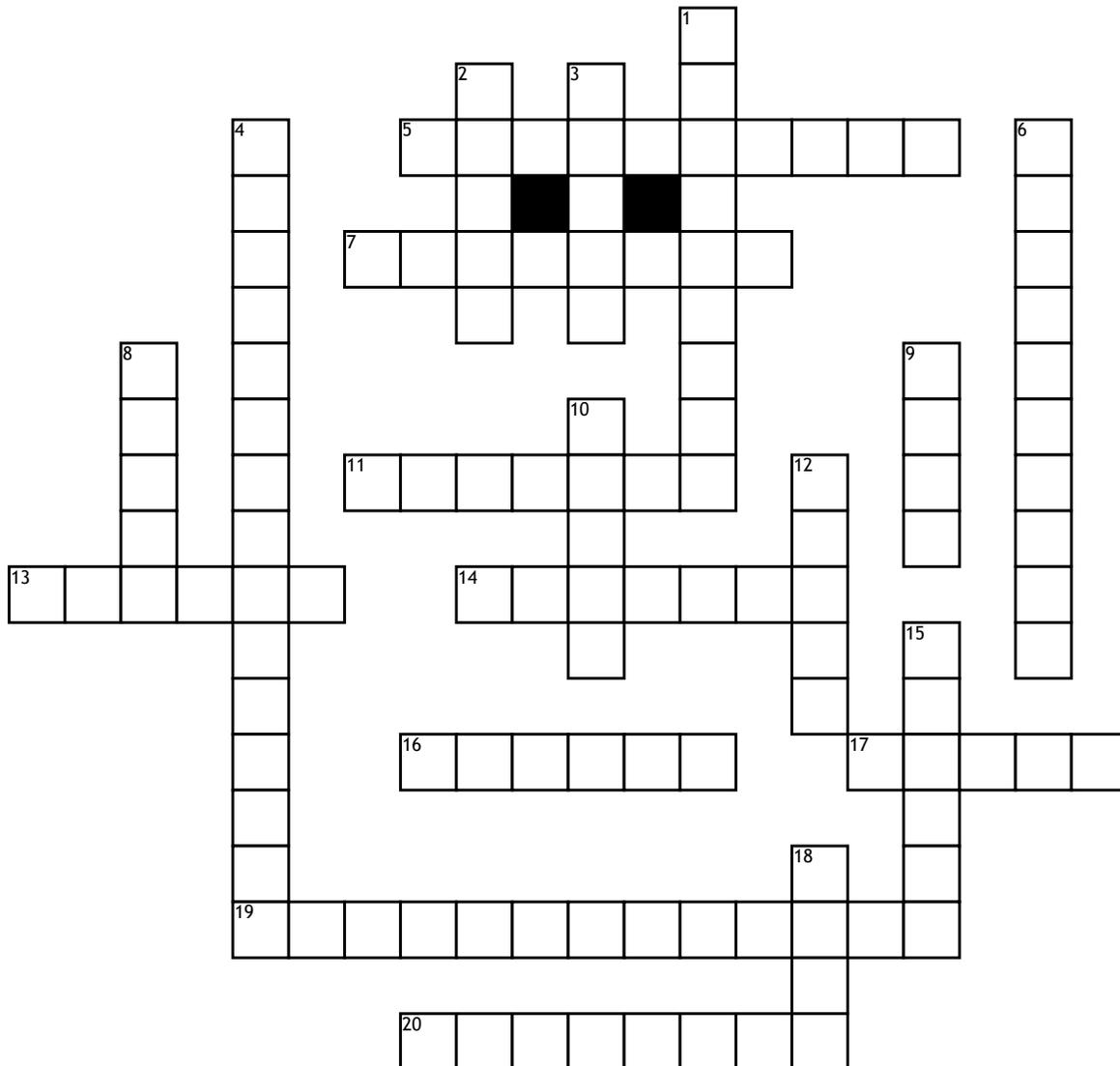


QUIZ NO. 4



Across

5. The distance across one complete wave

7. Range of frequencies and wavelengths of visible light can be spread over an arrangement called ____.

11. Relationship between the mass of the substance and how much space it takes up

13. The time it takes a wave to complete one cycle.

14. The unit used for intensity is _____.

16. Light travels fastest in ____.

17. Mechanical wave that requires medium to propagate

19. _____ is when sunlight scatters in the atmosphere when it hits molecules and larger specks of matter.

20. It is related to the intensity of the sound, which is proportional to the square of the amplitude of a sound wave.

Down

1. The number of complete vibrations a wave makes in one second

2. Sound travels slowest in _____.

3. Pitch is measured in _____.

4. A physical constant that is the quantum of electromagnetic action, which relates the energy carried by a photon to its frequency

6. Ability of a material to return to its original shape after a certain force is applied on it

8. The longer the wavelength, the _____ the frequency.

9. _____ means carrying energy away from the source of disturbance.

10. It is the lowness or highness of the sound

12. Sound travels fastest in ____.

15. Color with the shortest wavelength in the visible light spectrum

18. When comparing mediums of the same phase, sound travels faster in _____ dense objects.