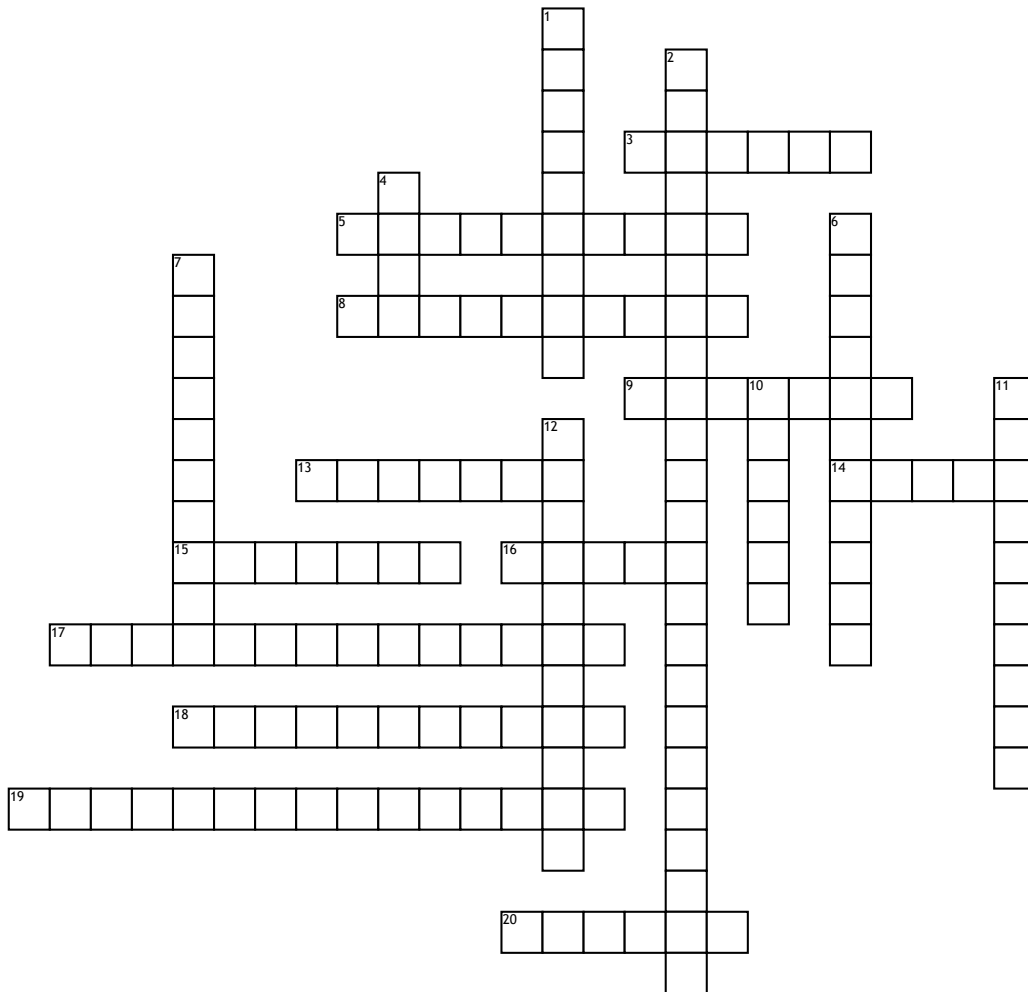


Name: _____

Date: _____

Waves



Across

3. The material through which a wave travels is called a Medium (air), liquids, solids

5. the distance between two corresponding parts of a wave. (crest-to-crest, trough-to-trough)

8. the bending of a wave as it moves from one medium into another

9. something that happens in a repeated and predictable way

13. a unit that expresses the relative measure of the intensity

14. how far the wave travels in one unit of time

15. electromagnetic radiation that has a wavelength longer than visible light but shorter than microwaves

16. The high part of a transverse wave

17. when the wave energy causes the matter in the medium to move perpendicular to the direction the wave travels

18. the bending of waves around a barrier

19. waves that use a medium to transfer energy

20. the matter through which mechanical waves travel

Down

1. the number of wavelengths that pass a given point in 1 second measured in hertz

2. the wide range of electromagnetic waves with different frequencies and wavelengths

4. rhythmic disturbances that carry energy w/o carrying matter

6. Area of longitudinal wave where the coils are close together

7. when a wave strikes an object or surface and bounces off

10. The low part of a transverse wave is called a

11. have the lowest frequencies of all the electromagnetic waves and carry the least energy

12. electromagnetic radiation that has a wavelength shorter than visible light but longer than x-rays

Word Bank

medium

Trough

mechanical waves

electromagnetic spectrum

pattern

speed

diffraction

transverse wave

ultraviolet

reflection

decibel

wavelength

medium

infrared

refraction

Compression

Crest

frequency

wave

radio waves