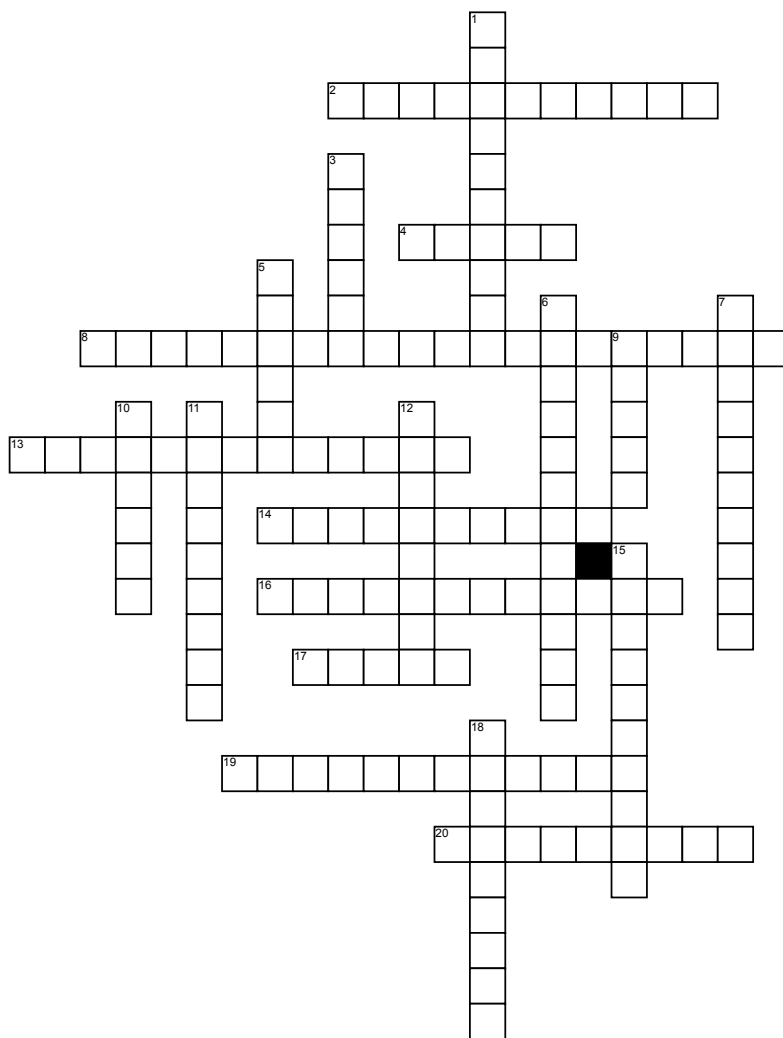


Name: _____ Date: _____ Period: _____

Waves Crossword Puzzle



Across

2. used for sterilization and produces vitamin D
4. the highest point in a wave
8. EM waves do not require a physical medium in which to travel
13. finding people in the dark and Tv remote control devices
14. electromagnetic wave of a frequency between about 104 and 1011 or 1012 Hz, as used for long-distance communication.
16. displacement of the particles of the medium is parallel to the direction of wave propagation

17. these rays have enough energy to penetrate deep into tissues and cause damage to cells
19. the action of restricting the vibrations of a transverse wave to one single direction
20. the maximum displacement of a particle of the medium the rest or equilibrium position

Down

1. displacement of the particles of the medium is perpendicular to the direction of wave propagation
3. the material the wave is traveling through
5. the time interval for one complete motion of the wave

6. the waves that people can see in the EM spectrum

7. the turning back of a wave when it reaches the boundary of the medium through which it is traveling
9. a disturbance that transfers energy from one place to another
10. the lowest point in a wave
11. the number of complete vibrations per unit time
12. the speed of the wave
15. the distance from a point on one wave to the same point on the next wave
18. have enough energy to penetrate deep into tissues and cause damage to cells

Word Bank

gamma rays
longitudinal
crest
visible light
velocity

radio waves
trough
electromagnetic waves
polarization
wave length

frequency
ultraviolet
waves
infrared waves
period

amplitude
medium
transverse
reflection
x-rays