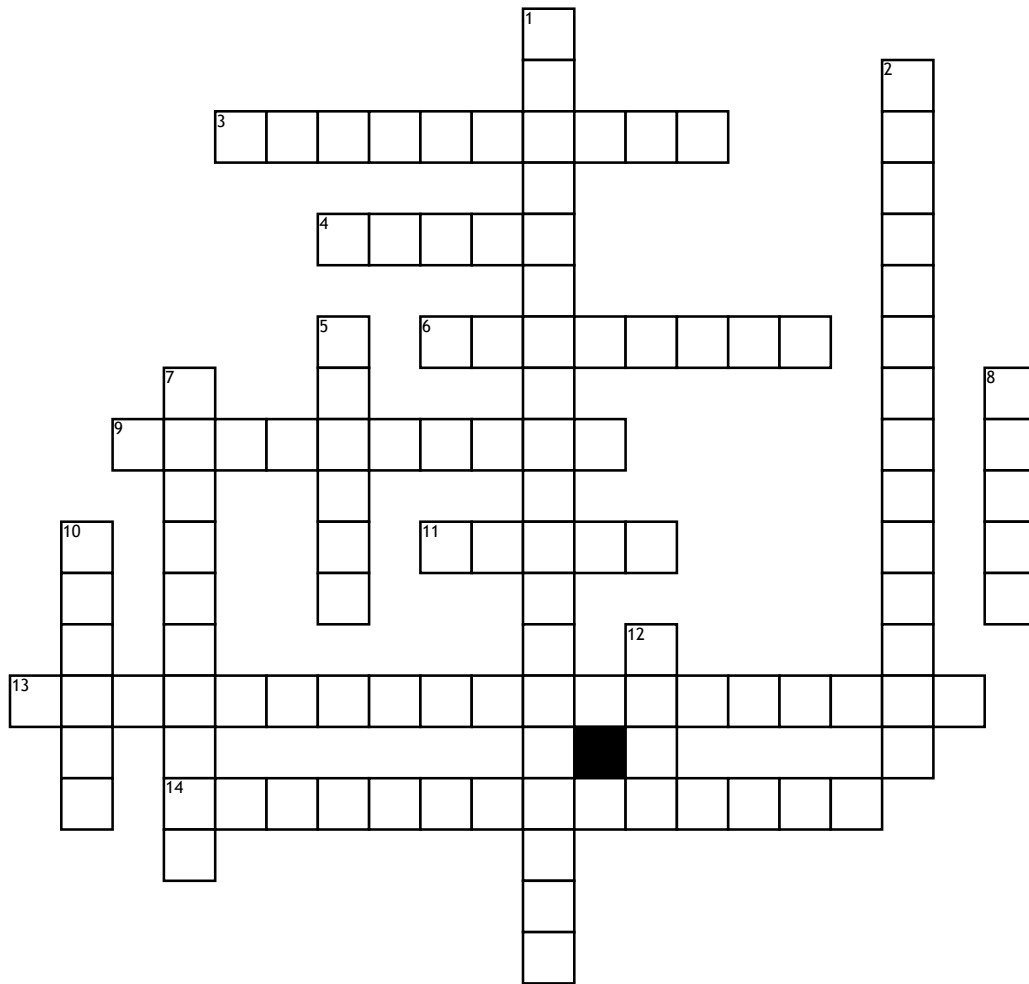


Name: _____

Date: _____

Waves



Across

- 3. Radio waves with the shortest wavelengths and the highest frequencies
- 4. Electromagnetic waves with wavelengths shorter than ultraviolet rays but longer than gamma rays
- 6. The perception of the energy of a sound
- 9. Electromagnetic waves with the longest wavelengths and lowest frequencies

- 11. Perception of the frequency of a sound. How high or low a sound seems
- 13. Material that allows light to pass through it very easily
- 14. This wave moves perpendicularly

Down

- 1. Material that allows some, but not all of the light that hits it to pass through and scatters some light

- 2. A material that completely blocks light from passing through it
- 5. The lowest point of a wave.
- 7. The distance from crest to crest or trough to trough.
- 8. What is the unit of frequency? Can also be remembered as number of waves per second.
- 10. The ability to do work or cause change
- 12. A disturbance that transfers energy from one place to another.

Word Bank

- | | | | |
|---------------------|---------------|---------------------|--------|
| PITCH | TRANVERSEWAVE | TROUGH | XRAYS |
| TRANSPARENTMATERIAL | WAVELENGTH | TRANSLUCENTMATERIAL | HERTZ |
| OPAQUEMATERIAL | LOUDNESS | WAVE | ENERGY |
| RADIOWAVES | MICROWAVES | | |