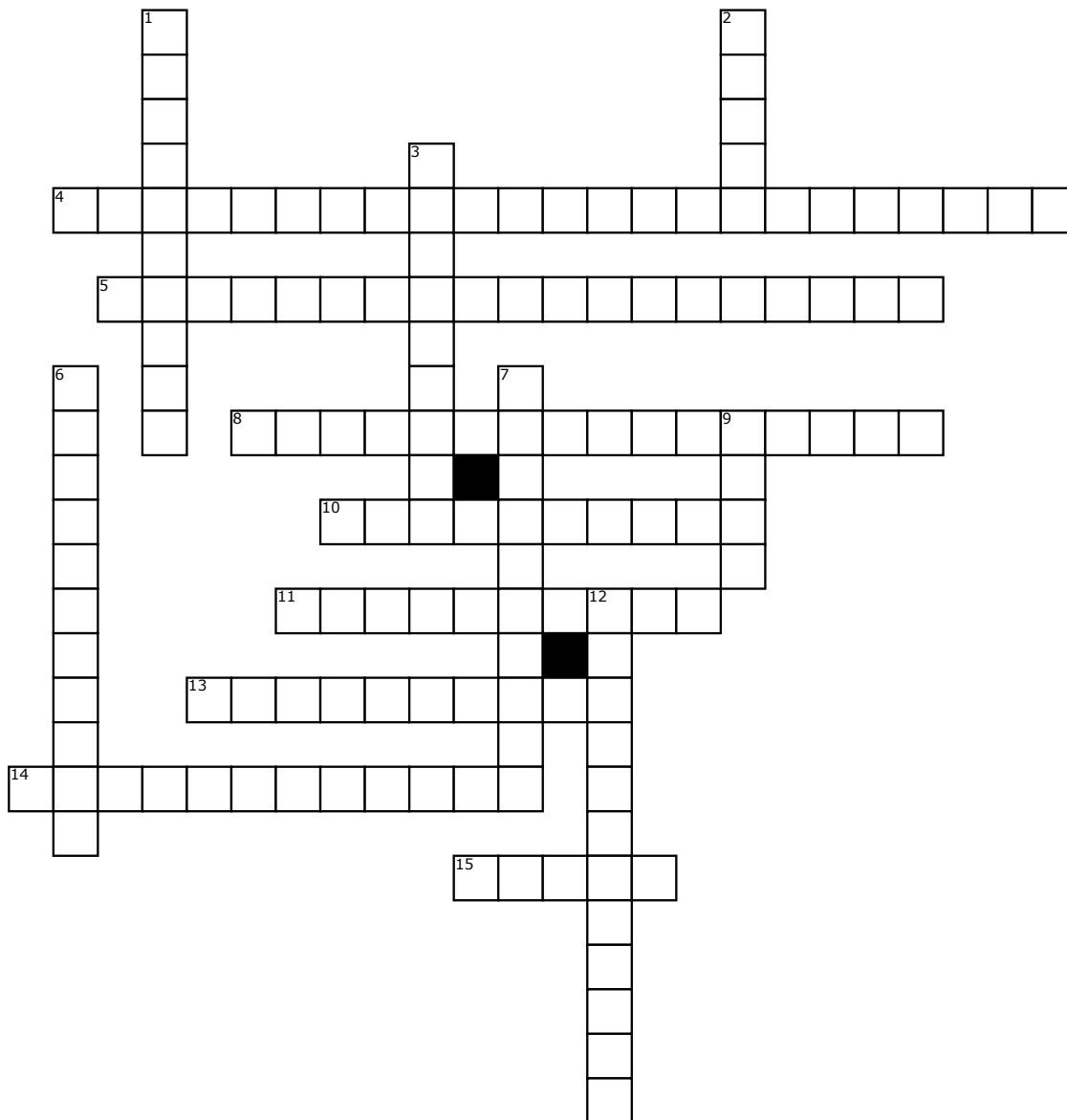


Name: _____ Date: _____ Period: _____

project



Across

4. All of the frequencies are wavelengths of electromagnetic radiation

5. A wave consisting of electric and magnetic fields that vibrate at right angles to each other.

8. Electromagnetic waves with wave lengths shorter than visible light but longer than x-rays

10. When no waves are reflected

11. A longitudinal wave that is caused by vibrations and that travels through a material medium

13. Electromagnetic waves with the longest wave length and the lowest frequency

14. Electromagnetic ways with wave length shorter than radio waves but longer than visible light

15. A mirror with a surface that curves outwards

Down

1. a lens that is thicker in the center than the edges.

2. Electromagnetic waves with waves lengths shorter than ultraviolet rays but longer than gamma rays

3. Electromagnetic waves with the shortest wave length and the highest frequency

6. a lens that is thinner in the center than the edges.

7. Radio waves with the shortest wave length and the highest frequency

9. a curved piece of glass or other transparent material that is used to refract light.

12. Electromagnetic waves that are visible to the human eye