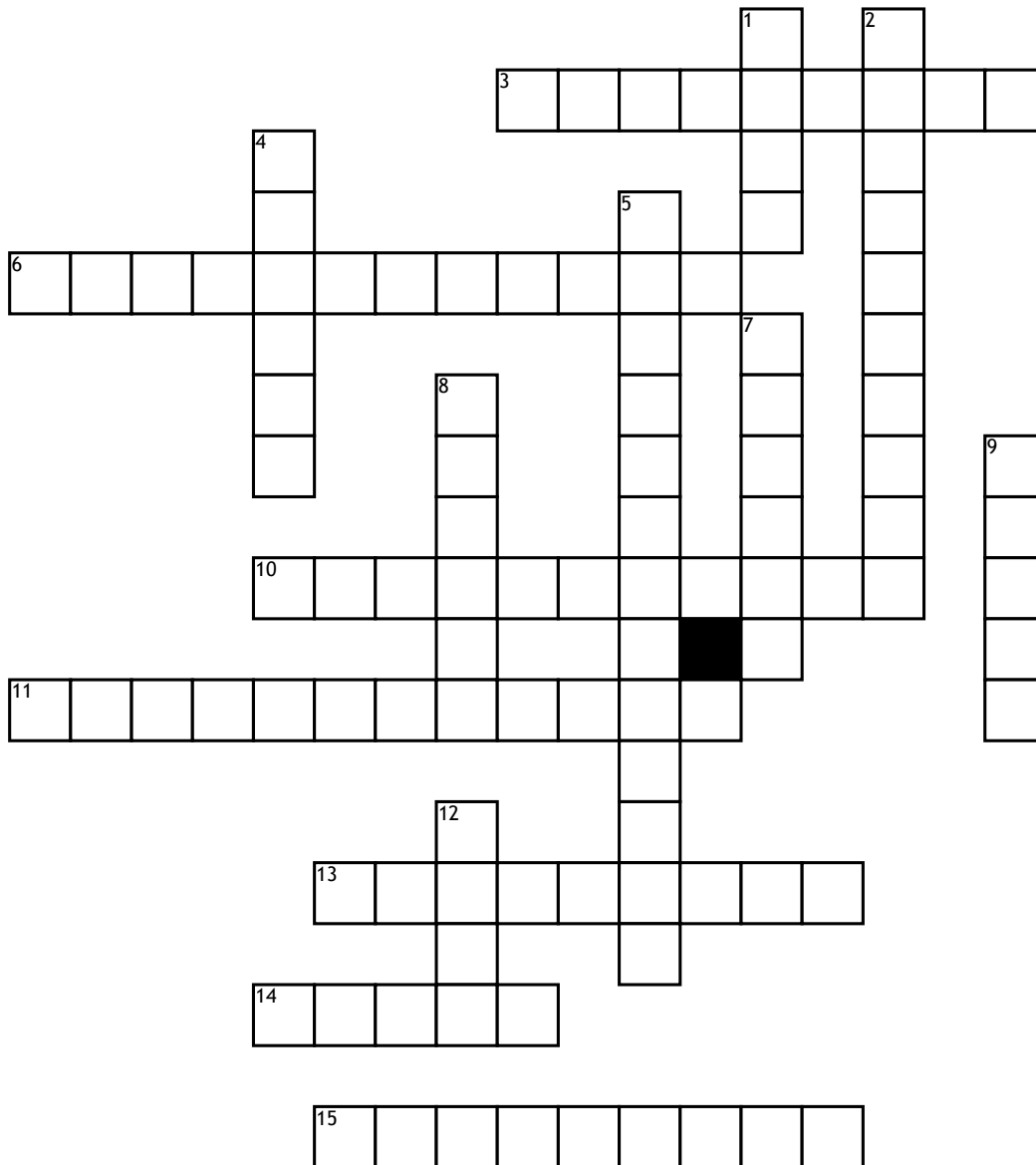


Name: _____

Date: _____

Chapter 4 and 5



Across

3. the highest energy and frequency and shortest wavelength portion of the electromagnetic spectrum

6. a mirror that curves outwards

10. the distance from the centre of the lens or mirror to the focal point is called

11. lenses that are thicker in the middle than at the edge

13. the number of repetitive motions, or oscillations, that occur in a given time

14. the highest point of a wave

15. light rays that spread apart after reflecting

Down

1. a disturbance or movement that transfers energy through matter or space

2. the distance from crest to crest or trough to trough

4. The capacity to apply a force over a distance

5. lenses that are thinner in the middle than at the edge

7. the lowest point of a wave

8. a misleading appearance or illusion

9. frequency is usually measured in

12. a curved piece of transparent material, such as glass or plastic, that refracts light in such a way as to converge or diverge parallel light waves