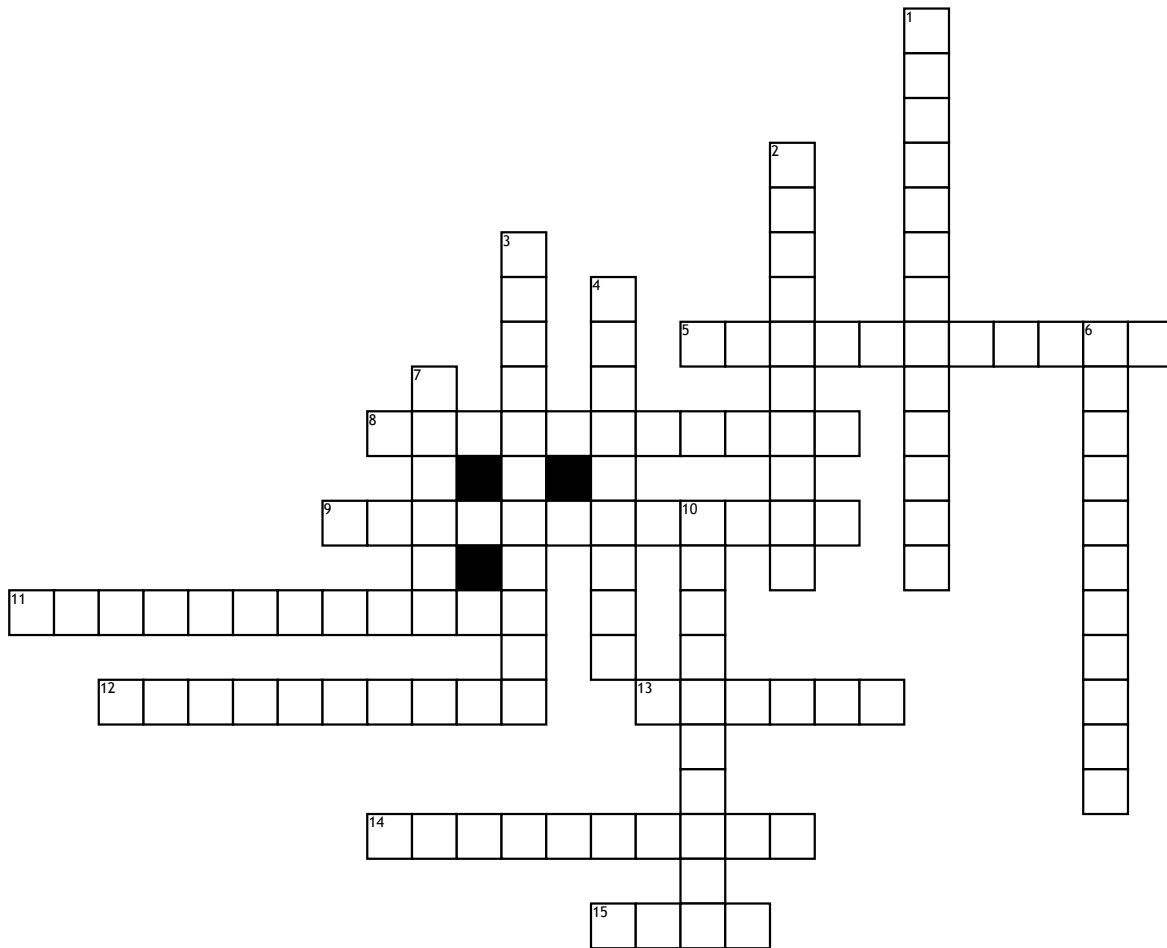


# Mirrors and Lenses Homework



## Across

5. A flat, smooth mirror  
 8. The distance from the center of the mirror to the focal point  
 9. Is a mirror that curves outward  
 11. An image that your brain perceives even though no light rays pass through the location of that image  
 12. Is a lens that is thicker in the middle than at the edge  
 13. The inner lining of your eye, which has cells that convert the light image into electrical signals

14. Is the point on the optical axis on which light rays that are initially parallel to the optical axis converge after they reflect off the mirror

15. A piece of glass or other transparent substance with curved sides for concentrating light rays

## Down

1. A mirror whose surface curves inward  
 2. The bending of a wave caused by a change in its speed as it travels from one medium to another

3. Is a lens that is thinner in the middle and thicker at the edge

4. An image that is formed when light rays converge to form the image

6. An imaginary straight line drawn perpendicular to the surface of the mirror at the mirror's center

7. Light enters your eye through a transparent covering on your eyeball

10. The change in direction of a wave away from a boundary the wave encounters