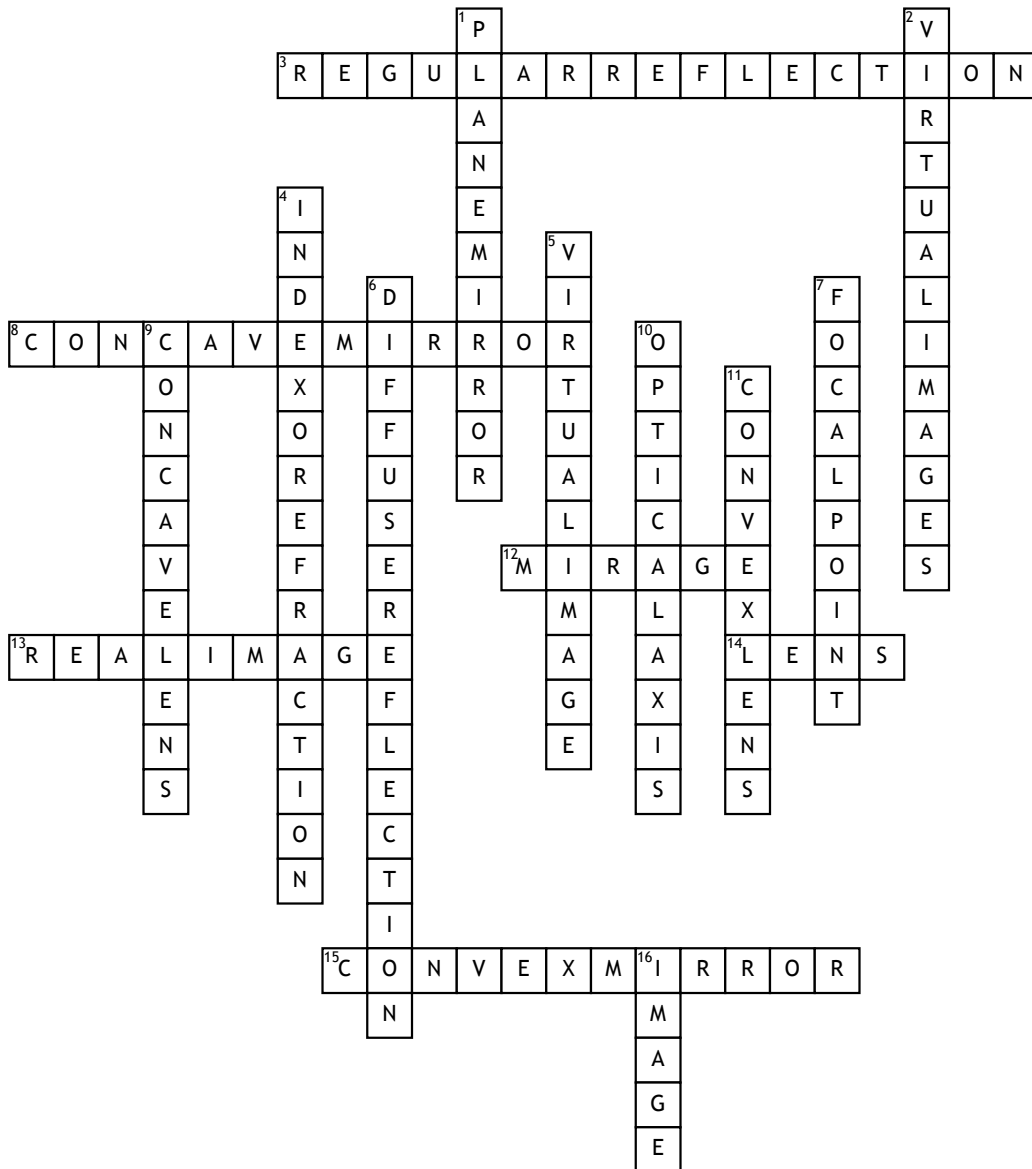


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Mirrors and Lenses



## Across

3. when parallel rays of light hit a smooth surface  
 8. a mirror with a surface that curves inward  
 12. an image of a distant object caused by refraction of light  
 13. an object positions determines whether a convex lens forms a \_\_\_\_\_ or a virtual image  
 14. a curved piece of glass or other transparent material

15. images formed by \_\_\_\_\_ are always smaller than the object

## Down

1. a flat sheet of glass that has a smooth, silver colored coating on one side  
 2. a concave lens can only produce \_\_\_\_\_  
 4. A measure of how much a ray of light bends when it enters that material  
 5. an upright image that forms where light seems to come from

6. when a parallel ray of light hit a bumpy surface  
 7. the point at which rays parallel to the optical axis meet  
 9. a lens thicker in the center than the edges  
 10. an imaginary line that divides a mirror in half  
 11. a lens that is thinner in the center than the edges  
 16. a copy of a image formed by a reflected or refracted rays of light