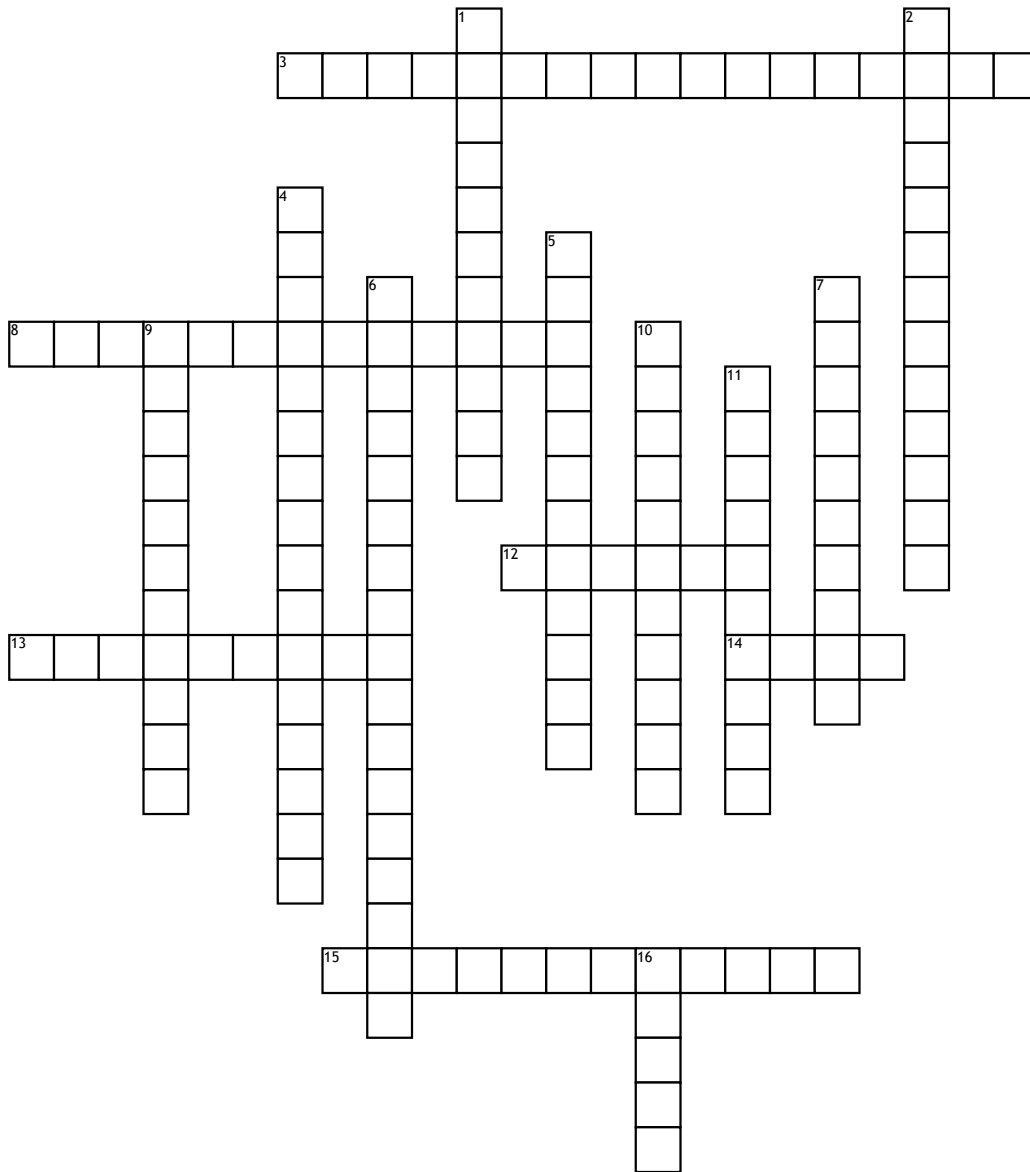


Name: _____

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