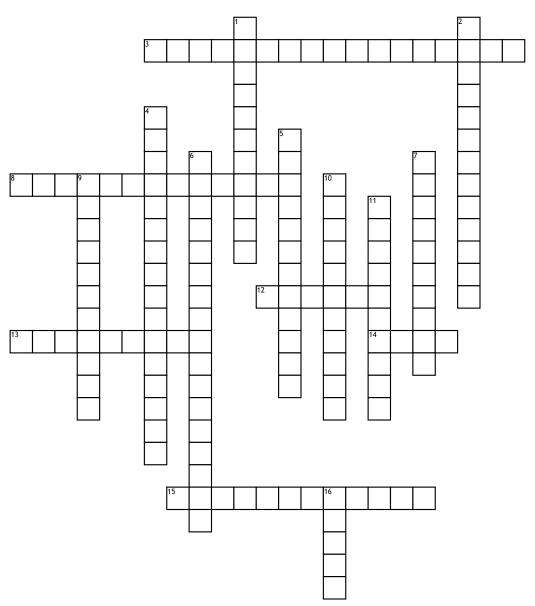
Name:	Date:
name:	Date:

## 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