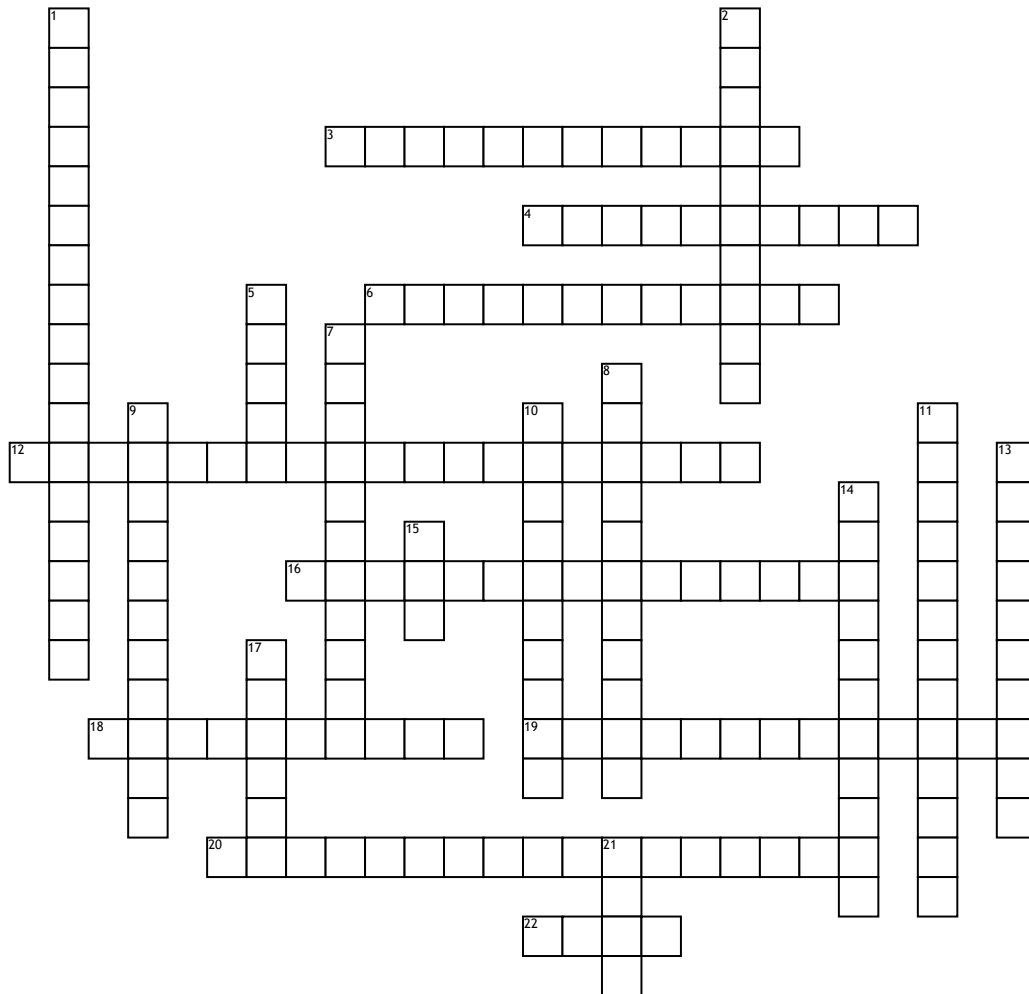


Name: \_\_\_\_\_

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

# Light Vocabulary



**Across**

- 3. A mirror that curves outward
- 4. The point where light rays parallel to the optical axis converge after being reflected off a mirror
- 6. The passage of light through an object
- 12. A telescope that uses lenses to gather and focus light from distant objects
- 16. According to this, when a wave is reflected from a surface, the angle of reflection is equal to the angle of incidence
- 18. The change in direction of a wave as it changes speed while moving from one medium to another
- 19. Any instrument or object used to produce or control light

- 20. Reflection of light from a smooth, shiny surface

- 22. One of the many cells in the retina of the eye that respond to colors

**Down**

- 1. Reflection of light from a rough surface
- 2. The transfer of energy by a wave to the medium through which it travels
- 5. Electromagnetic radiation that you can see
- 7. A material that allows almost all light that strikes it to pass through and form a clear image
- 8. The distance along the optical axis from the mirror to the focal point

- 9. A material that allows most of the light that strikes it to pass through and form a blurry image
- 10. The bouncing of a wave off a surface
- 11. A mirror that curves inward
- 13. A lens that is thicker in the middle than at the edges
- 14. A lens that is thicker at the edges than in the middle
- 15. One of the many cells in the retina of the eye that responds to low light
- 17. A material through which light does not pass
- 21. A transparent object with at least one curved side that causes light to change direction

**Word Bank**

- |                |                    |                      |                    |                |
|----------------|--------------------|----------------------|--------------------|----------------|
| Focal length   | Convex lens        | Cone                 | Reflection         | Concave mirror |
| Absorption     | Focal point        | Transparent          | Diffuse reflection | Rod            |
| Light          | Law of Reflection  | Refracting telescope | Refraction         | Concave lens   |
| Opaque         | Lens               | Transmission         | Convex mirror      | Translucent    |
| Optical device | Regular reflection |                      |                    |                |