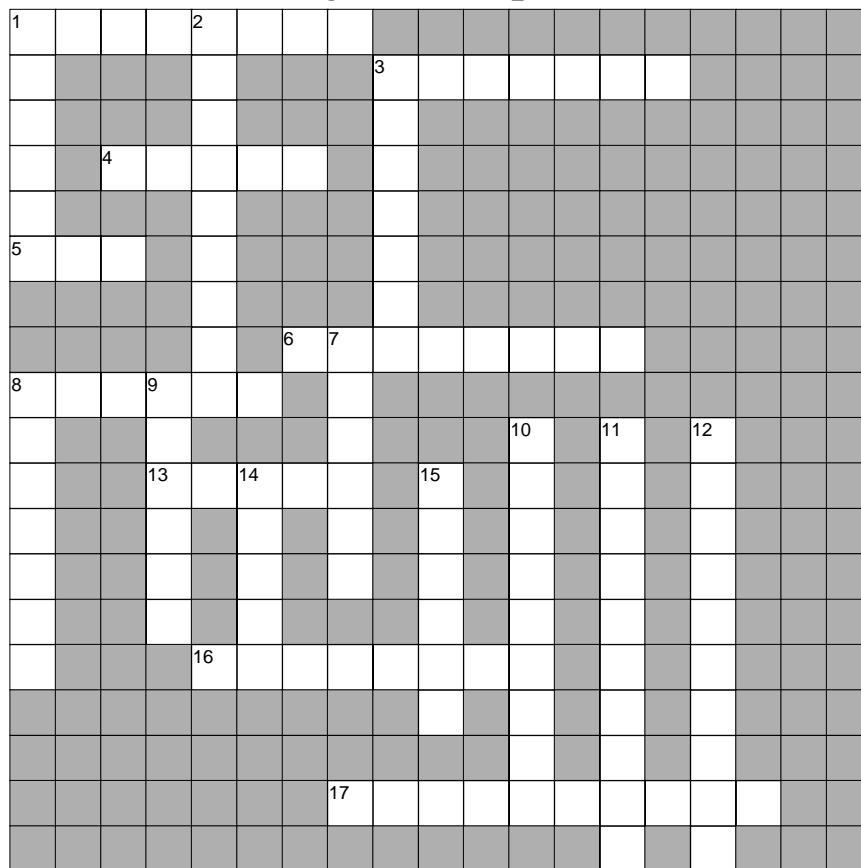


# Light and Optics



## Across

1. Light rays in optical fibre travel at the \_\_\_\_ angle for total internal reflection.[8]
3. Opposite of "real".[7]
4. Transparent object with flat surfaces that is used to separate the visible light spectrum.[5]
5. Visible light with longest wavelength.[3]
6. Seven colours of visible light.[8]
8. Type of lens e.g. magnifying glass.[6]
13. Top of a wave.[5]
16. Light travels in \_\_\_\_ lines.[8]
17. In a plane mirror, the angle of incidence equals the angle of \_\_\_\_.[10]

## Down

1. The \_\_\_\_ of objects is that light reflected back to our eyes.[6]
2. Infrared and ultraviolet are examples of \_\_\_\_ light.[9]
3. Light that humans can see.[7]
7. Light particle.[6]
8. Type of lens that diverges light rays.[7]
9. Speed of light in a \_\_\_\_ is 300000 kilometres per second.[6]
10. Height of a wave.[9]
11. Distance between crests of consecutive waves.[10]
12. "Bending" of light.[10]
14. Opposite of "inverted".[5]
15. Bottom of a wave.[6]