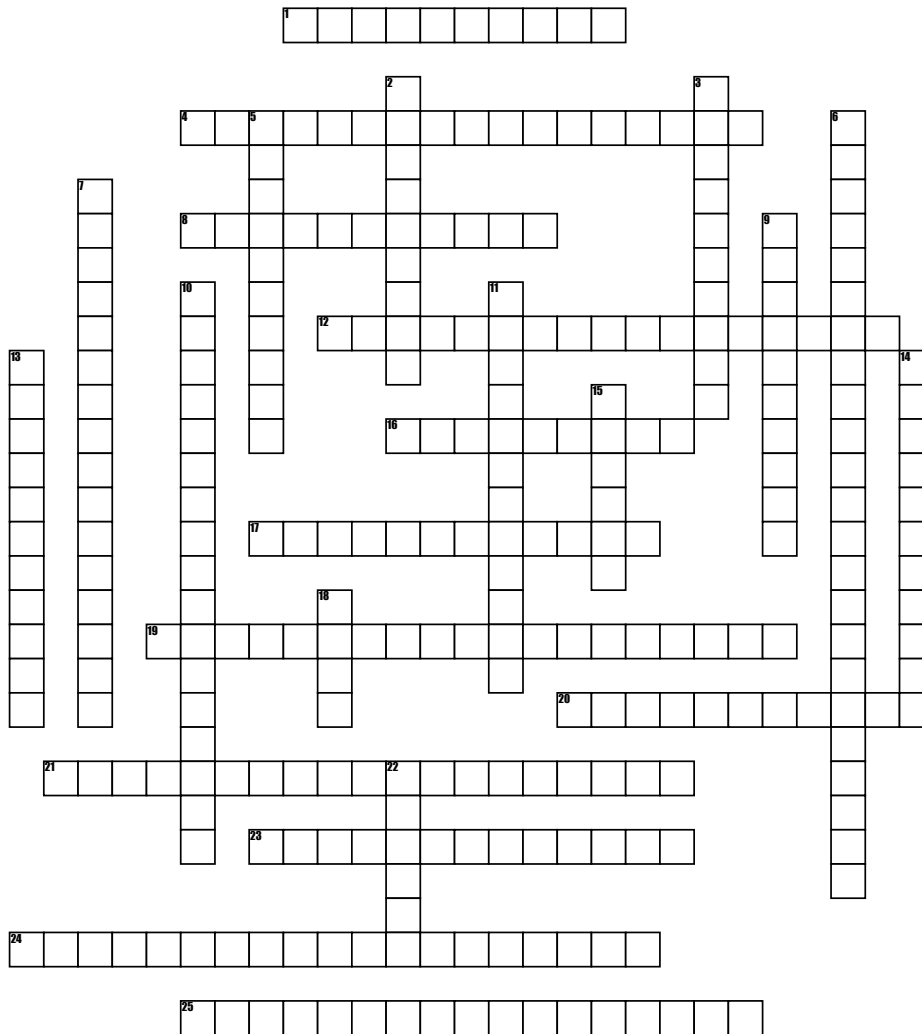


Ch.18 Vocab crossword



Across

1. a diagram that traces the path that light takes in order for a person to view a point on the image of an object.
 4. the reflection of light or other waves or particles from a surface such that a ray incident on the surface is scattered at many angles rather than at just one angle
 8. a mirror with a flat reflective surface. For light rays striking a plane mirror, the angle of reflection equals the angle of incidence.
 12. the angle made by a reflected ray with a perpendicular to the reflecting surface.
 16. the measurable amount of a property, such as force, brightness, or a magnetic field
 17. an optical image formed from the apparent divergence of light rays from a point, as opposed to an image formed from their actual divergence
 19. the modulation of a radio or other wave by variation of its frequency, especially to carry an audio signal

Down

2. A word that means an object is see through
 21. the modulation of a wave by varying its amplitude, used chiefly as a means of radio broadcasting, in which an audio signal is combined with a carrier wave.
 23. a curved mirror with a curved reflecting surface
 24. A field that contains 7 different waves
 25. the reflection of the light is equal to the angle of incidence and on the opposite side of the normal to the point of incidence.
 2. a reproduction of an object via light that can be formed on a surface.
 3. a transparent optical device used to converge or diverge transmitted light and to form images
 5. the point at which rays or waves meet after reflection or refraction, or the point from which diverging rays or waves appear to proceed.
 6. the range of wavelengths or frequencies over which electromagnetic radiation extends.

7. makes with a perpendicular to the surface at the point of incidence.
 9. a small, dispersed amount of something.
 10. defined as the speed of light in vacuum divided by the speed of light in the medium.
 11. diverging mirror, or fish eye mirror is a curved mirror in which the reflective surface bulges toward the light source.
 13. any lens that has an inward curve
 14. allowing light, but not detailed images, to pass through
 15. An illusion that appears on a hot road or in the desert caused by dehydration
 18. an object or device that focuses or otherwise modifies the direction of movement of light, sound, electrons, etc.
 22. not able to be seen through; not transparent.

Word Bank

Diffuse reflection
 concave mirror
 concave lens
 plane mirror
 mirage
 Intensity
 regular reflection

Ray diagram
 convex mirror
 electromagnetic spectrum
 Scattering
 angle of reflection
 translucent

real image
 Focal point
 virtual image
 frequency modulation
 angle of incidence
 electromagnetic wave

amplitude modulation
 lens
 convex lens
 opaque
 index of refraction
 transparent