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## Mirrors and Lenses



## Across

3. when parallel rays of light hit a smooth surface
4. a mirror with a surface that curves inward
5. an image of a distant object caused by refraction of light
6. an object positions determines whether a convex lens forms a $\qquad$ or a virtual image
7. a curved piece of glass or other transparent material
8. 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 $\qquad$
3. A measure of how much a ray of light bends when it enters that material
4. an upright image that forms where light seems to come from
5. when a parallel ray of light hit a bumpy surface
6. the point at which rays parallel to the optical axis meet
7. 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
