

## GLOSSARY

### A

**angle of incidence** the angle between a ray that strikes a surface and the normal to that surface at the point of contact (527)

**angle of reflection** the angle formed by the line normal to a surface and the direction in which a reflected ray moves (527)

### C

**concave spherical mirror** an inwardly curved, mirrored surface that is a portion of a sphere and that converges incoming light rays (530)

**convex spherical mirror** an outwardly curved, mirrored surface that is a portion of a sphere and that diverges incoming light rays (537)

### E

**electromagnetic wave** a transverse wave consisting of oscillating electric and magnetic fields at right angles to each other (520)

### L

**linear polarization** the alignment of electromagnetic waves in such a way that the vibrations of the electric fields in each of the waves are parallel to each other (546)

### R

**real image** an image formed when rays of light actually intersect at a single point (531)

**reflection** the turning back of an electromagnetic wave at the surface of a substance (526)

### V

**virtual image** an image formed by light rays that only appear to intersect (528)