

## Reflection in Plane Mirrors

(flat)

**Ray:** a single path of light

**Beam:** more than one ray

**Converging Beam:** rays come together

**Parallel Beam:** rays are parallel

**Diverging Beam:** rays spread apart

**Plane Mirror:** a flat mirror

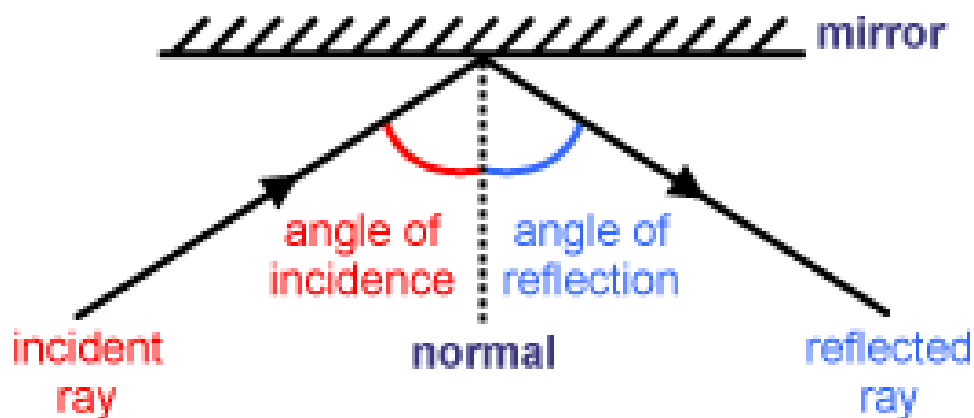
**Normal:** any line that is perpendicular to a mirror surface

**Incident Ray:** any ray that strikes a mirror (incoming)

**Reflected Ray:** any ray that is reflected from a mirror (outgoing)

**Angle of Incidence:** the angle measure between the incident ray and the normal

**Angle of Reflection:** the angle measure between the reflected ray and the normal



### **Two Laws of Reflection:**

1. The incident ray, reflected ray and the normal will always lie on the same plane.
2. The angle of incidence and the angle of reflection will always be equal