

## **Light: Check Point EQ2: How Does Light Interact with Matter?**

### **What happens during the absorption of light?**

- a) Light waves pass through an object without interacting
- b) Light waves transfer energy to particles of matter
- c) Light waves bend around a barrier
- d) Light waves scatter in all directions

### **Which interaction involves light passing through an object without interacting?**

- a) Transmission
- b) Refraction
- c) Absorption
- d) Diffraction

### **What is diffraction?**

- a) Light waves passing through a material without interacting
- b) The change in direction of light waves as they change speed
- c) Light bending around a barrier
- d) Light scattering in all directions

True or False

Refraction occurs when light waves bend around a barrier.

Scattering causes light to change direction and move in all directions.