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.

LIVEWORKSHEETS