



## BENDING LIGHT

# Real and Apparent Depths

Refraction is the bending of light as it passes from one substance to another. This bending by refraction can be used in different kinds of lenses to help us see things. However, it can sometimes put us at risk.

Have you ever looked down to the bottom of the pool from the edge of a swimming pool? If so, you should have noticed that the bottom of the pool seems to be nearer to the water surface than it actually is. This is because of light refraction; therefore, when you go swimming, remember to check the signs to make sure where the deep end of the pool is. Never enter the water just because it looks shallow.

