

Water refraction is like a magic trick that happens when light passes through water. Imagine you're outside on a sunny day, and you see a straw in your drink. Have you ever noticed how the straw looks bent or broken at the surface of the water? That's refraction!

Here's how it works step by step:

1. **Light Travels:** Light is a bit like a race car on a track. It moves straight until it hits something different, like water.
2. **Different Material:** Air and water are two different materials. When light moves from the air into the water, it goes from a fast track (air) to a slower track (water).
3. **Bending Light:** Because it goes slower in water, the light bends or changes direction. This bending is what makes that straw look weird!
4. **Seeing the Effect:** When you look at the straw from the side, your eyes see the light bending, so the straw doesn't look straight anymore.

So, refraction is just a fancy word for how light bends when it goes from one thing to another, like from air into water. That bending helps us see cool things, like those funny-looking straws!