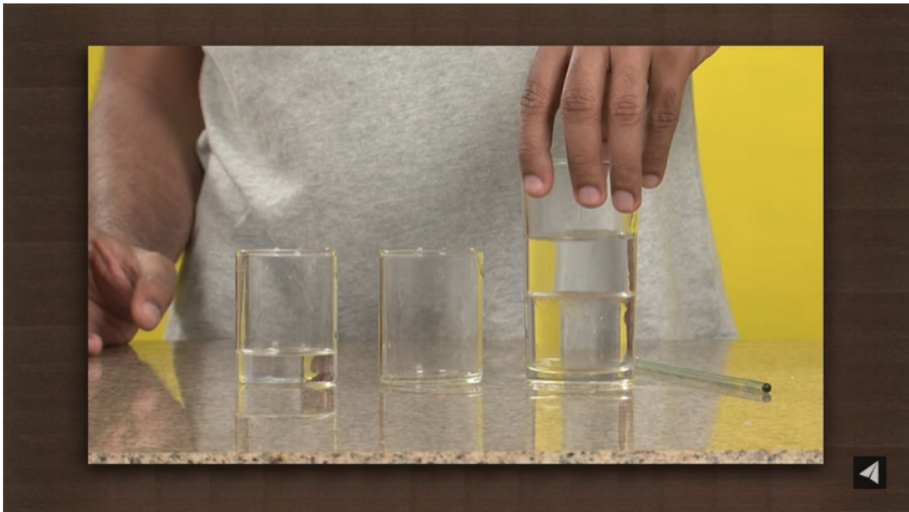


Light bends as it travels through different densities of air, as well. The refraction of light through air can result in a **mirage**. Have you ever been driving along a highway on a hot summer day and noticed what looked like pools of water laying ahead? When you got closer to the pools, they mysteriously disappeared. You were seeing a mirage. The air close to the ground is hotter and less dense than air higher up. As a result, light from the sky directed at the ground is bent upwards as it enters the less dense air. The "pools of water" were actually images of the sky refracted by warm air near the ground.



Multiple refraction with multiple mediums | Light | Physics



KClassScienceChannel
71.9K subscribers

Subscribe

94



Share



What happens...

1) As light travels from a less dense medium to a more dense medium (ie. Slows down)?

The ray bends towards the normal.

2) As light travels from a more dense medium to a less dense medium (ie. Speeds up)?

The ray bends away from the normal.

3) Why is the object not where you think it is?

If the light travels through two different media before it reaches your eyes, it does not travel in a straight line.

The

Test Review Worksheet