

These pages are taken from the G4 journal "Light Allows Us to See."



The eye is a window to the world

Have you ever wondered how we see? Sight is one of many senses that we have. Our senses help us perceive the world that we live in. Because of your senses, you read this article. You can also enjoy looking at and smelling a beautiful flower. To perceive the world, all of your senses need to interact with your surroundings. Your senses need some type of connection with the things that they sense.



Sight is one of the many senses that you have. Your senses need some kind of interaction with the world to be able to sense it.



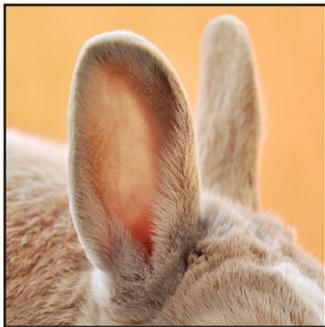
What are some examples of senses that you have?



To sense something you must connect with it

To hear the voice of a friend, you need the sound of their voice to enter your ears. If you block the sound by leaving the room or by using earplugs, you can't hear the sound any more. To smell something, you need the smell to enter your nose. If you block the smell of your favorite food by putting it in a sealed container, you can't smell it anymore. To feel the softness of a bunny's fur you need to touch it. You can't feel it when you take your hand away. But what about the sense of sight? What connects with your eye to make sight possible?

How do the senses connect with their surroundings?



How does the ear connect with sounds?



How does the nose connect with smells?



How does the tongue connect with tastes?

Reflected light makes sight possible

To see, we need light. Light connects our eyes with the world that we see. In the dark, we cannot see anything. Light from the Sun bounces off objects in all directions. When you stand in daylight, you are standing in what is like an ocean of light. Some of the light bouncing around you moves towards your eyes. When something is reflected it bounces off something else. Light reflects off all objects that you can see. When **reflected** light enters your eye, this makes sight possible.

