

Perception

Perception is the [organization](#), [identification](#), and [interpretation](#) of [sensory information](#) in order to represent and understand the [environment](#).

All perception involves [signals](#) in the [nervous system](#), which in turn result from physical or chemical stimulation of the sense [organs](#).

For example, [vision](#) involves [light](#) striking the [retina](#) of the [eye](#), [smell](#) is mediated by odor molecules, and [hearing](#) involves pressure waves. Perception is not the passive receipt of these signals, but is shaped by [learning](#), [memory](#), [expectation](#), and [attention](#).

[Phantom](#) perceptions arise almost universally in people who sustain [sensory deafferentation](#), and in multiple sensory domains.

Face perception

[Face perception](#).

Three-dimensional perception

[Three-dimensional perception](#).

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