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in this video you ll learn about introductory psychology concepts related to vision including the basic structures of the visual system and their function describe the basic anatomy of the visual system discuss how rods and cones contribute to different aspects of vision describe how monocular and binocular cues are used in the perception of depth the visual system constructs a mental representation of the world around us figure this chapter covers some basic aspects of the fundamentals of the human visual perception given the enormity of the subject we will only give a very limited account of this huge area of know what are the major causes of low vision in the u s being able to identify what parts of the eye are affected by cataracts macular degeneration and glaucoma being able to describe the impact of different diseases on our visual function e g visual acuity visual field and dark adaptation how do eyes work what can go wrong and why don t we notice the blind spots in our visual field more to introduce some basics of how visual perception works we ll start in the eye vision is about insight and visual perception is about cognition and they form the foundation of how we see the world duco a schreuder a physicist and psychologist explores the finer people experience light as having three features color brightness and saturation these three types of experiences come from three corresponding characteristics of light waves the color or hue of light depends on its wavelength the distance between the peaks of its waves introduction to sensation and perception vision loss and v1 again following the example of our section on hearing the second chapter of the vision section contains discussion of leading causes for blindness both worldwide and in the united states and treatments when they re available anatomy of the visual system the enormous amount of visual information in the world is contained in the light reaching the eye what we perceive and how we perform depend on the information that is processed by each successive structure of the visual system this chapter is an overview of the human visual system and some aspects of perception we started of the structural and functional description of every stage of the visual pathway starting from the optics of the eye to the visual cortex unit one vision and perception our eyes may gather information for us but what we see is a process of our brain electrical impulses from reflected light are transformed into thought rich layers of meaning and experiences we begin by learning the distinction between sensation and perception then we consider the physical properties of light and sound stimuli along with an overview of the basic structure and function of the major sensory systems examining active and attentive perceptual engagement this article proposes study of activities of perception rather than senses e g seeing rather than vision developing what i term a sensorially emplaced and inclusively sensorial approach to examine sensory perception although this theoretical approach is broadly applicable to touch and vision perception are two important functions humans use to interact with the real world to mimic human like abilities tactile and visual sensing based intelligent humanoids have emerged and are going through a fast phase of development its central problems what is perception what is the nature of perceptual consciousness how can one fit an account of perceptual experience into a broader account of the nature of the mind and the world are at the heart of metaphysics define central vision study with quizlet and memorize flashcards containing terms like vision is the five degree cone that makes up only three percent of a driver s total visual field the distance you look ahead is identified as your the driver should search at least seconds ahead of the vehicle for an open path of travel and more peripheral vision is the ability to see the fringe or edge of your vision when you focus straight ahead the blind spot is a small area on

the back of the eye where the optic nerve enters the eyeball that is not sensitive to light this creates a gap in your vision several psychophysical studies comparing perception and action in healthy participants have revealed performance seemingly consistent with visuomotor mechanisms operating independently of conscious perception perspective essential understandings that sense perception goes beyond the snapshot model where you open your eyes and instantly you enjoy a sharply detailed picture of the world that the principles of perception such as context simplicity meaning making change blindness inattention vision is a synonym of perception as nouns the difference between perception and vision is that perception is organization identification and interpretation of sensory information while vision is the sense or ability of sight

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