

Communication located on the reting at the Photoreceptor cells are back of the eye ii A - the conjunctiva - acts as a protective layer for the cornea. B - The iris - expands or contracts to control the annount of light entering the pupil in varrying light intencities. b) (i) Two methods are possible. Frothy searching sources such as the internet of encyclopedras of journals a library. Secondly visiting wildlife reserve to observe the animals first hand of identify the structures that are produce sound. (ii) For the first method, It is necessary to when the information was published or placed upon wide web; who provided the information World was under taken to conclusions drawn. For the second method it is possible the information



un conscise observation. Thus it is important to further research to substanciate the claims illustrate they are reliable c) "Cataracts and any blurring of the less. The less can it causes blindness. There is bodly that cateracts, however surgical teamiques as be to overcome the effects of cataracts. (atcracts can not be treated with spectacles, used overcone surgery technique/technology, that ndeaping involves the effects of contacts patreat in the operation the under local angestietic is remared is seen replaced with a bitoniese blurred internocular synthetic lens. This restores the persons usion . function as normal



Procedore: equipment Filament in light obeidnt chispood wires to power (held in place by source, brate total lene and damp) Sheet of paper 2) Using a thick lens, move antit clear image Filament appears on paper Measure distances D and E. Record results. 4) Repeat steps 2 and 3 using a Tens, but moving filament rather than lens and maintaining distance Conclusion: The thickers the less, the doser the focal meaning that the object of forces closer. In accomposation of the eye, the ciliary body will tighten to thin the lens, so to focus on a far object, while the fatter lens will focus on a near to the above procedure the paper represents the retina, the filament the image to



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be focused and the convex lens the eye's
lens.
JUSTIFICATION:
The procedure models accomodation wated in
a valid we and reliable method as the
a valid we and reliable method as the (paper) distance between the lens and return remains
constant as it does in the eye. Both lens
thickness and focal length (distance E) after
due to their intrinsic relationship. Thus the
procedure was a true representation of
accomodation, as are any subsequent conclusions
derived from it However the procedure and
consequent results may be improved by
repetitions of the procedure and an intermedia
lens thickness.



e) Two devices designed to assist people with hearing impairment are decochtear ear implants and hearing aids. Both devices are battery operated and involv Cochlear implants or the bionic ear is a surgically inserted device for profoundly deaf people. It overcomes problems in the inner ear such as reduced receptors in the organ of Corti this form of hearing assistance is expensive and the results varied. It is best most effective with patients who learn't to speak prior to becoming deal and requires constant adjusting ontil the appropriate level of a reception is determined The device may cause trauma as the patient adopts to a new way of life. Also adverse side effects may be caused by the apperation such as a droopy or numb face. Hearing aids, on the other hand are designed for people suffering conduction deafness in Leir middle ear. The device amplifies