

(b) (orducting secondary + primary research (i)Annalysing already exsis assistance. This most and ox books or escylopedias The internet would also be would also be useful to oralyse the base structur how through to determne would be a good resource poduchoi cado be

ovimary research



(ii)

If would need to be determined if the information was accorded and also occurred in many pources.

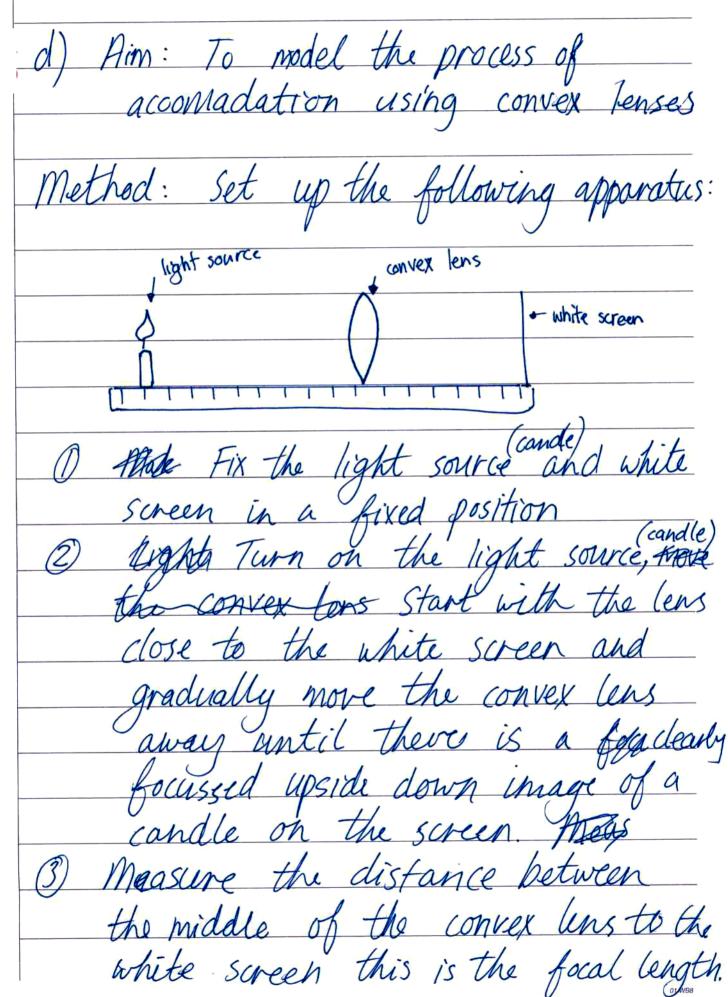
The validity of the resource of data would also have to be advessed. The information to be relevant it must be related to the ways Animals poduce sound, not how they here sounds, or other factors. Data without to be of a credited source and not be false or inacurate.

(1) Catagasts the leus becomes implement overcome transplant: is cloudy and opaque 63 Mea lens today long Lave petorno.



Involves inserting execups into Catavacts A small incision - Phacoemulsification: doctor insets altrasourd waves. cloudy wear to The Cloudy parts then be be sucked up. Phaco is growing in I The process of accomodation was modelled using lenses and a light box or ray box. wee Censes of convex. and Shapes a Short size of Au a convex ays represented







Repeat the procedure with lans convex lenges of different focal lengths lensed the shorter Conclusion: The more convex as the more shorter the focal length as in the eye, when we are focusing near objects our lens bulges to

accomodate (suspensory ligaments relaved)
The fifth less convex a lens is ie of
the longer the focal length. This
relates to the eye when viewing
distant objects the lens flatters (strecked
by suspensory ligaments)!
In the experiment it is important to keep the

In the experiment it is important to keep the

amount of light in room constant, as this may interfer with judment. If precise measurement



were heeded then the expertment should be repeated, this isn't hecessary in this experiment

Two devices used to assist people with hearing impairments The hearing aid is a device which amplifies soundwaves, it's however it a can only be used for people with conductal hearing impariment (outer & middle ear) and will not nork for people with nerve damage to the cochlea, auditory nerve or auditory nerves in the brain. Vhearing aid norte best does not distinguish between frequencies and therefore all sounds are amplified. This can provide discombut as well as making it difficult to distinguish a person's voice from background The coddea implant is designed for those who are completely dear, weally because of damage to the hair cells in the organ of conti! The implant converts Sound energy ito electrical impulses by directly

stimulating the auditory nerve. Cochlea implants

are best suited to those who have already learnt

01/WB8



NEW SOUTH WALES
how to speak. While it is a fairly expensive device
and therefore may be appropriate for those who really need
it. Disadvantages include physical side-effects such as
a droopy face, and the large bulley size of the device
may por look ungarity or provide discombert.
Both the treasing and and cochten implant are can
only be used if the basic structures of the ear
exists, eq. if the ear ossicles have fused together
then vibrative mediums to are affected and neither
the hearing aid or the Cochlea Implant would be
able to assist in hearing.
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