

ai. Photoreceptors are located in the retina.

ii. A = refracting light rays.

B = moving lens to receive light in best way.

B

① You could gather information on the structures used by animals to produce sound, by researching them through books, and also through speech pathologists.

② To assess whether the information was relevant or not, and reliable you could test the ~~pro~~ procedures out yourself and see if you come up with the same information and conclusions as the references do.

would help me understand that the production of sound by this animal is caused by some ~~sort of~~ vibration using pitch, tone and loudness.

C) Technology has aided us to overcome most effects of cataracts. Cataract occur in the eye and forms a cloudy and opaque vision in the eye thus causing blindness in that eye. Now thanks to people like Fred Hollows there are many places where you can go and receive treatment on these cataracts and fix your sight. Such treatment can be a "Glass lens". The glass lens performs ~~at~~ most tasks as a normal lens except it is not able to adjust its vision. This is because a normal lens is squashed when it focuses on close up things and stretched when looking at objects from a distance. A Glass lens is unable to perform this task. Another method of treatment is to have an operation where the cloudyness is sucked out of the eye by

Part c continued

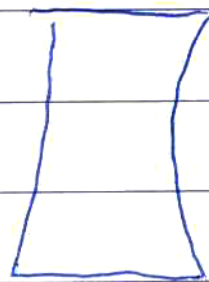
mini vacuum, the operation is very successful and corrects the eye of cataracts straightaway. However you must see a specialist to get an operation like this done and many cataract sufferers die in third world countries. The Fred Hollow's foundation has set up many operation centres in these third world countries to help these ~~people~~ sufferers.

d- Accommodation is the focusing ~~of~~ ^{by the} eye of light from ~~obj~~ objects and different distances. We used different type lenses which were concave and convex. Concave was to look close and clear convex was to look far. We add different type of other lenses which should ^{way} the eye works.

To do this investigation we put the ~~the~~ concave and the convex to separately in front of a light to show use different effects. What we did after ~~no~~ knowing what the effect was we had drawn the pictures. which were



→ concave.



→ convex

and wrote the conclusion which was convex ~~was~~ was used for closing up and ~~the~~ convex was used for far distance. And that a normal ~~the~~ eye can do both things.

(e) Two devices designed ~~for assistance~~ that are appropriate to assist people with different types of hearing impairment are the hearing aids which help assist people to hear better because the hearing aids work ~~on the same way as~~ ~~the same way as~~ Just like speakers and the second device can be a cochlear implant which is located in the inner ear and which it ~~transforms~~ ^{transforms} sound waves into a sound or voice of someone speaking.

This could be done ~~because~~ because the cochlear could be damaged for ~~some~~ ^{any} reason and sound or voices can not be distinguished.