

29di) Photoreceptor cells are located on the retina

11) A: Protects the eyeball

B: Controls the amount of light let into the eye

You would gather information from different sources such as books, the internet and particular magazines to find out information on the structures used by animals to produce sounds. You could also perform a first hand investigation on specific animals to find out about the structures they use to produce sound.

If a first hand investigation was done, you know that the information was reliable, as you discovered it yourself. You could ask a proffessional eg sciente teacher to make sure that your observations were correct. If you got your information from sources such as books, you would need to check that the book is proffessional and identify where it was published and the author, to make sure they are relevant. If information was gathered from the internet, you would need to check that



c) Cataracts are the ogaq opaque or-clouding of
the eye som which interferor with the vision of
industrialis. If contaracts are not too bad, they
can be overcome by the use of stronger pravarieties
glasses. When the catouracts get so bad that they
glasses. When the contacts get so bad that they interfere with the everyday life of as individual
the only cure is surgery. Cataract extraction
surgery involves the removal of the affected (or
and teplacing it with new, antificial, inocular
lenses. After surgery, individuals may still
require the use of bifocals for clase up
activitées.
D. accomodation-focusing of the eye from
near to distant objects.
Experiment; 2 lens of varying midth were
used. A prac was set up as below;
Sheet of paper
small lens



This gave a representation of the eye. By moving the lens back towards away from the paper (a retina), and depending on the width of the lens used, an image of the candle would be reflected the conclusions found lens on the screen paper. I The closer the to the paper, the closer an object could be reflected. This only worked if the lens was fatter because less light was needed to bend . In the eye, a fat the cillary muscles relax the lens/causing it to be fatter) in order to see a near object. The opposite occurs for far objects, the



(2)

people who are deaf damage of the middle eartransmitter a microp microphoge transmitter helps fringet Sound into the ear directs sound waves. The amplifier works like for the person to that makes the sound loted enough earpiece funrels, sound into the sound receptors of inner are. As the been damaged, ribrate and amplify sound through these small bones and thus sound lost before packing the inner ear. This the heaving and allows for the found vibrations to be amplified in order to reach the ciner ear the optic nerve an velay the message to the treat thony centre in the brain. The cocheen impant or bionic ear is used to treat profoundly and The totally deaf people. The inner lar Organ of Corti has re been damaged in this case. The cochlea implant has components radio transmitter on the bett and the magnet The cochlea implant the unside parts in place. also has components at that must be inserted by ourgery into early itself. Three sit just below the organ of Corti and implant serves to bypass the sound waves



through the auditory nerve to the auditory centre on the brain
to detect sound. It is appropriate as it can help those who
cannot hear by pyparsing the damaged region and allowing
sound wares to so transport to the brain directly. Thus
Stimulating anditory verves.