

ai Behind the retina

→ sclera.

ii A - protects the eye from outside

materials, keeps moisture in.

→ the iris

B - surrounds the ~~iris~~ pupil, dilates or constricts pupil.

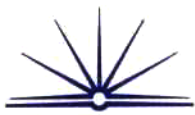
b) i) Gathering information on the structures used by animals to produce sound is not easy. To do it would need time and many resources. One way of doing it is actually finding the structure within the animal eg x ray or dissection. Another method is observation.

ii) Assessing that the information collected is relevant and reliable is not easy either, but can be achieved by testing the procedure used to see if ~~animals~~ the animals respond to sound or make sound to respond to ~~stimulus~~ stimulus.

c) cataracts occur when the lens of the eye has become clouded over so that vision is no longer possible and blindness is the result. Cataracts can be treated by the replacement of the lens in a surgical procedure. The lens inserted can be an artificial one, i.e. glass / plastic, or it can be one from another person.

d)

- A light ray box was set up.
- ~~A biconcave lens was placed before a biconvex lens, to show~~
- A wide biconvex lens was placed in front, with the light beam hitting the middle of the lens
- The outline of the lens and light beams were drawn.
- A thin biconvex lens was placed, with the light beam hitting the middle of the lens
- The outline of the lens and light beams were drawn.



e). Hearing aids - connected to the ear with a microphone which amplifies the sound to enable the individual to hear. with a connecting piece which enables the individual to adjust the loudness. The problem is that the individual ~~implanted hearing device~~ has to adjust the sound for different situations.

Implanted hearing device - which has a voice decoder to transfer ^{and interpret} the sound. This device is much rarer than the hearing ~~act~~ aid as it is much more expensive to purchase.