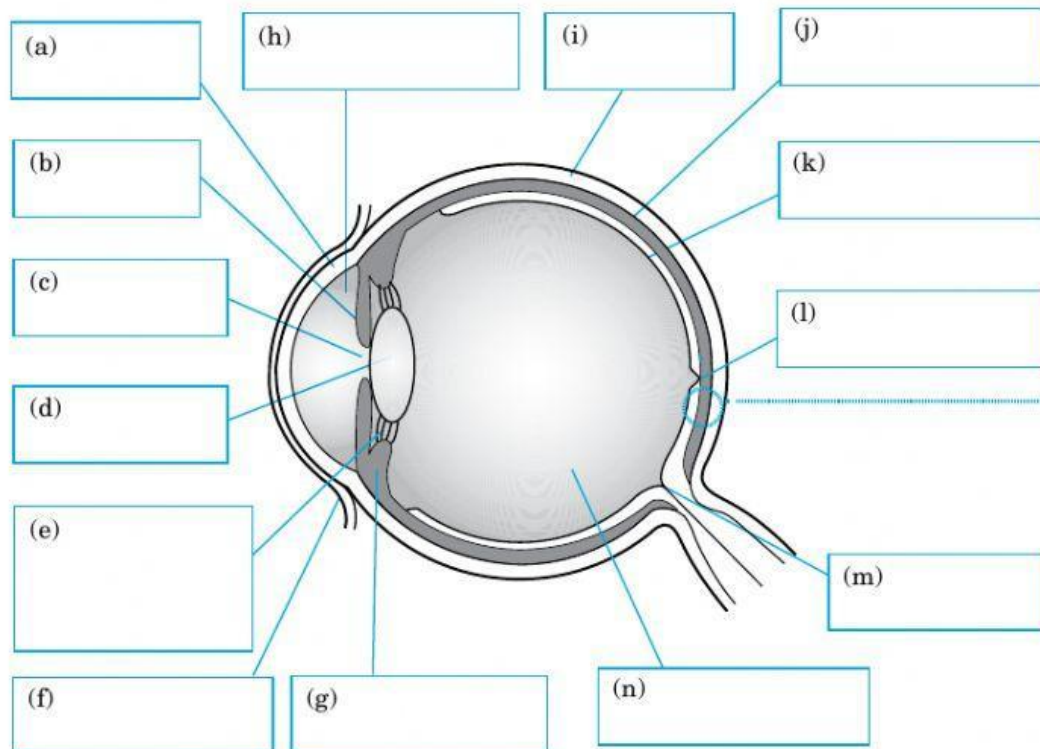


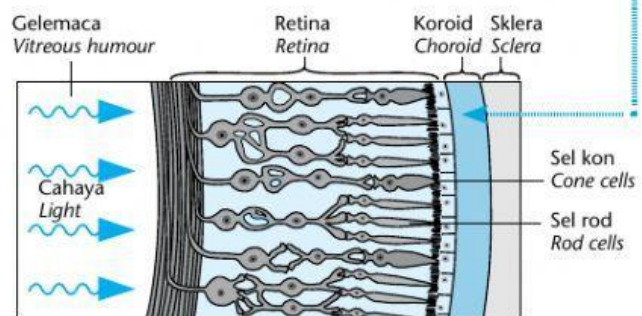
1 Labelkan struktur mata manusia./Label the structure of the human eye. TP1

Iris <i>Iris</i>	Koroid <i>Choroid</i>	Gelemair <i>Aqueous humour</i>	Kanta mata <i>Eye lens</i>	Bintik kuning <i>Yellow spot</i>
Sklera <i>Sclera</i>	Kornea <i>Cornea</i>	Gelemaca <i>Vitreous humour</i>	Otot silia <i>Ciliary muscles</i>	Bintik buta <i>Blind spot</i>
Retina <i>Retina</i>	Pupil <i>Pupil</i>	Konjunktiva <i>Conjunctiva</i>	Ligamen penggantung <i>Suspensory ligaments</i>	



2 (a) Namakan dua fotoreseptor pada retina./Name two photoreceptors on the retina. TP1

(b) Apakah fungsi sel rod dan sel kon? TP2
What are the functions of the rod cells and the cone cells?



(i) Sel kon <i>Cone cells</i>	Peka kepada cahaya _____ dalam keadaan bercahaya. <i>Sensitive to _____ lights in bright condition.</i>
(ii) Sel rod <i>Rod cells</i>	Peka kepada _____ cahaya yang berbeza termasuk cahaya _____ tetapi tidak peka kepada cahaya _____. <i>Sensitive to different _____ of light including _____ light but not sensitive to _____ lights.</i>

- 3 Kenal pasti bahagian mata berdasarkan fungsinya. **TP2**
Identify the parts of the eye based on their functions.

Bahagian mata <i>Parts of the eye</i>	Fungsi <i>Functions</i>
(a)	Membran lut sinar yang melindungi kornea <i>Transparent membrane that protects the cornea</i>
(b)	Membias dan memfokuskan cahaya ke atas retina <i>Refracts and focuses light onto the retina</i>
(c)	Memfokuskan cahaya ke atas retina <i>Focuses light onto the retina</i>
(d)	Membenarkan cahaya memasuki mata <i>Allows light to enter the eye</i>
(e)	Mengawal saiz pupil <i>Controls the size of the pupil</i>
(f)	Mengubah ketebalan kanta mata <i>Change the thickness of the eye lens</i>
(g)	Memegang kanta mata <i>Hold the eye lens</i>
(h)	Mengekalkan bentuk mata dan membantu untuk membias serta memfokuskan cahaya ke atas retina <i>Maintains the shape of the eye and helps to refract and focus light onto the retina</i>
(i)	Melindungi dan mengekalkan bentuk mata <i>Protects and maintains the shape of the eye</i>
(j)	Mengelakkan pantulan cahaya dalam mata dan membekalkan oksigen serta nutrien kepada mata <i>Prevents reflection of light in the eye and supplies oxygen and nutrients to the eye</i>
(k)	Mengandungi fotoreseptor yang mengesan dan menghasilkan impuls saraf <i>Contains photoreceptors that detect light and produce nerve impulses</i>
(l)	Bahagian mata yang paling peka terhadap cahaya <i>The part of the eye that is the most sensitive to light</i>



- 4 Lengkapkan peta alir tentang laluan lintasan cahaya dalam mekanisme penglihatan manusia. **TP2**
Complete the flow map about the path of light in the human sight mechanism.

