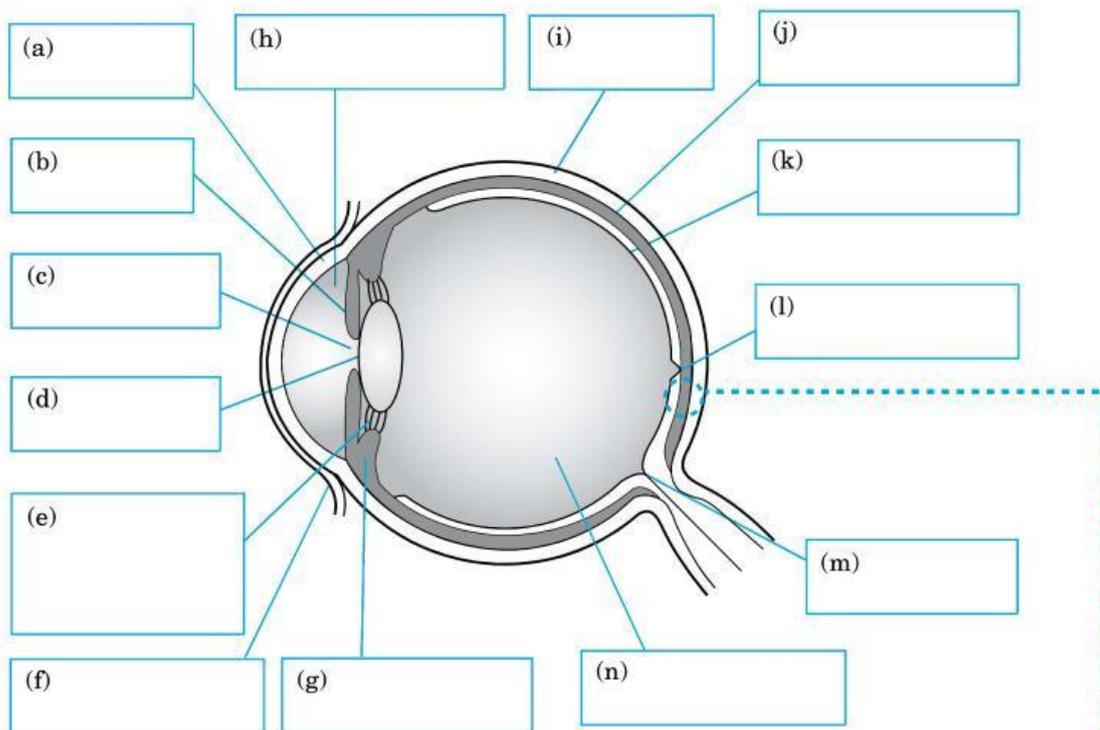


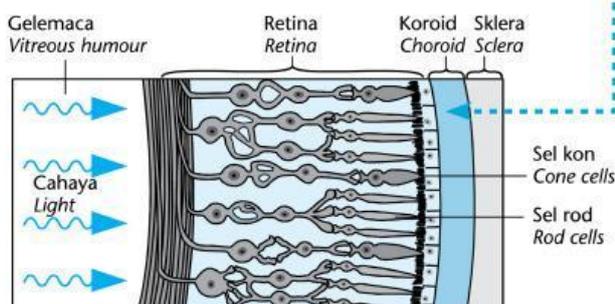
1 Labelkan struktur mata manusia./Label the structure of the human eye. **TP1**

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.

