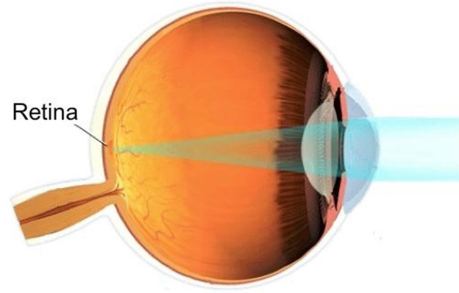


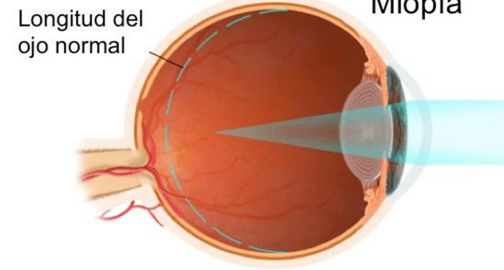


Principales Defectos Ópticos del Ojo Humano

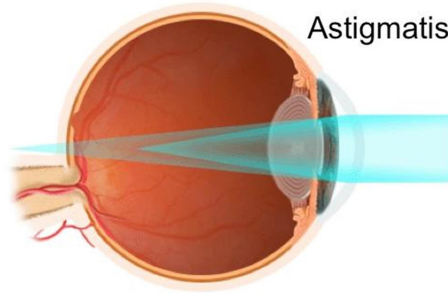
Visión normal



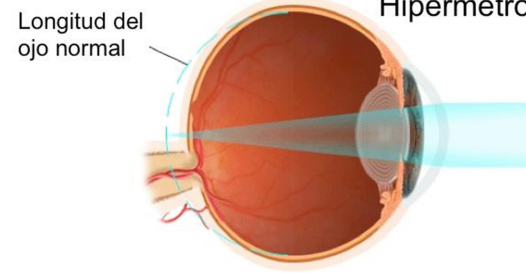
Miopía

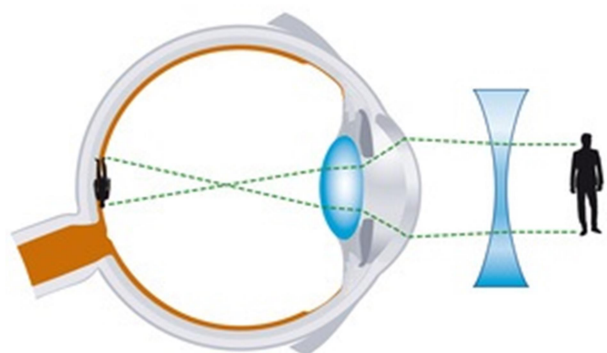
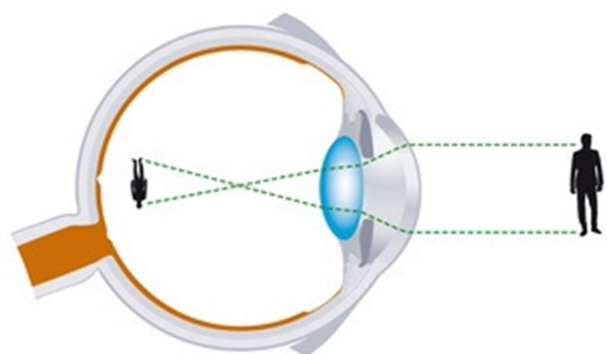


Astigmatismo

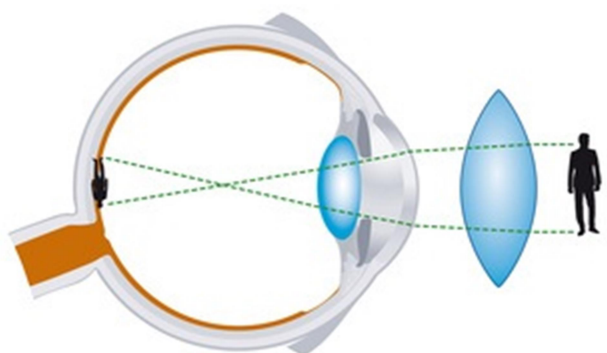
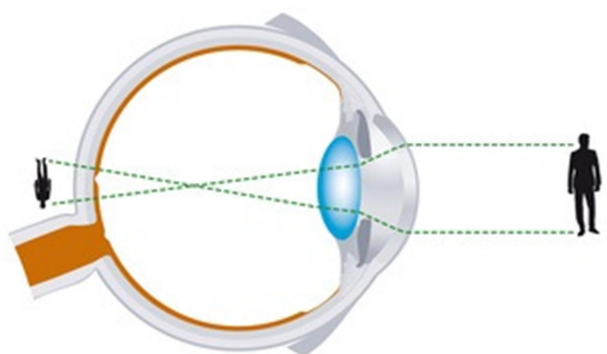


Hipermetropía

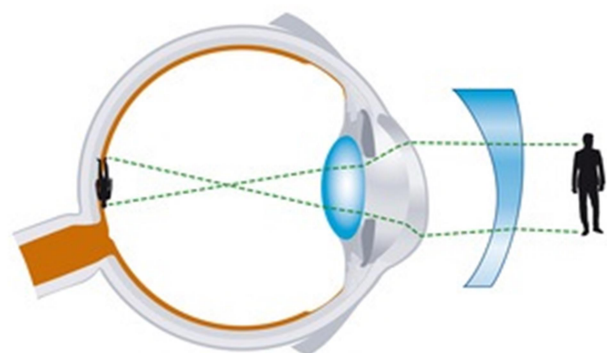
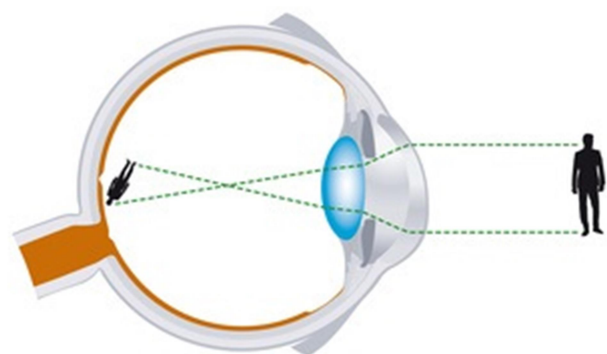




Miopía



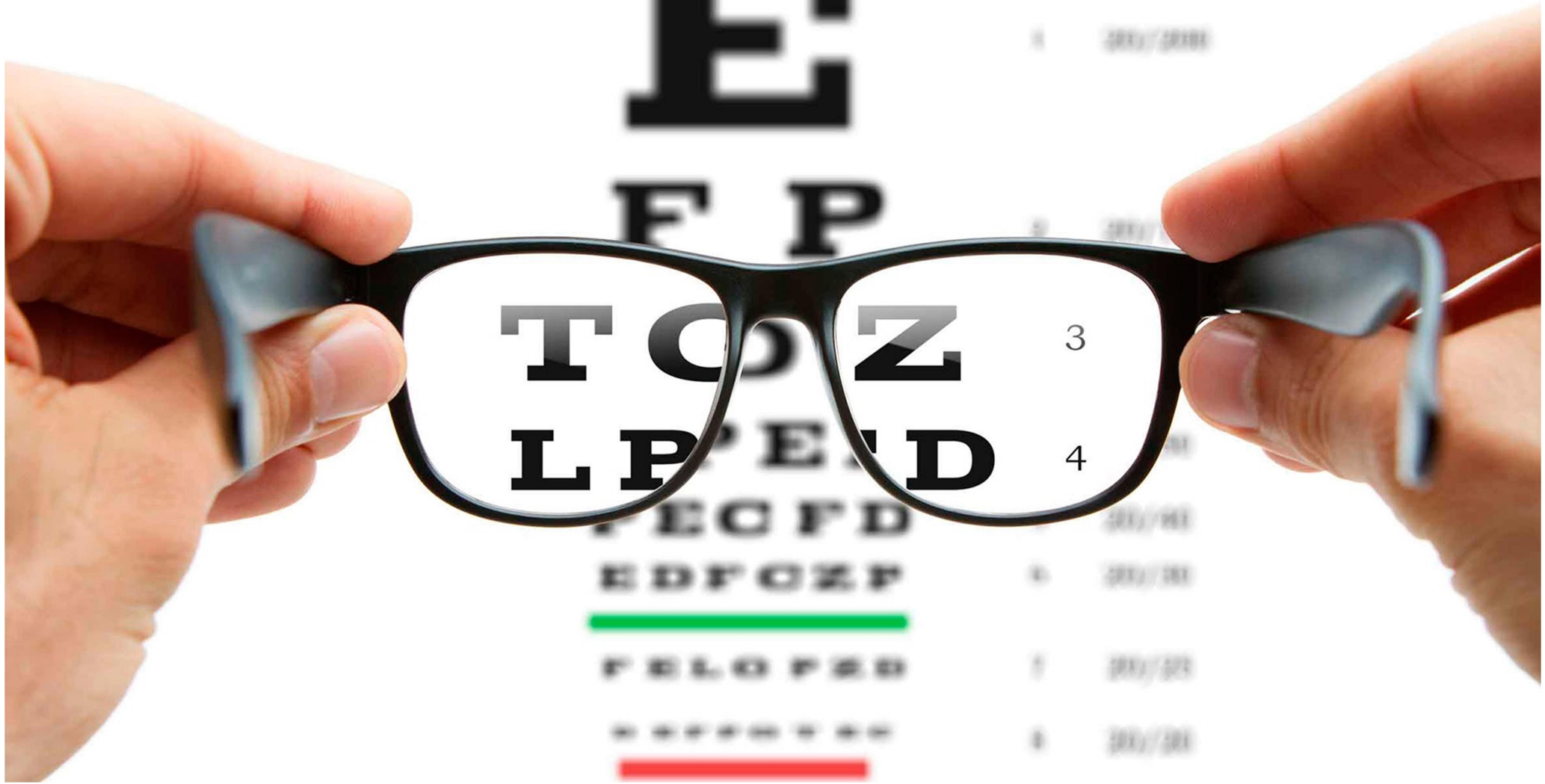
Hipermetropía



Astigmatismo

Miopia





E

F P

T O Z

L P E N D

F E C F D

E D F O Z P

F E L O P E D

3

4

20/200

20/100

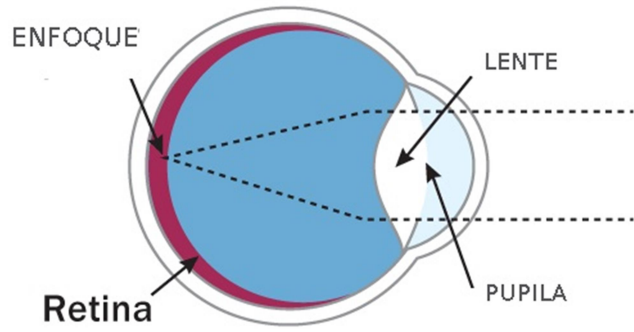
20/80

20/60

20/50

20/40

OJO NORMAL



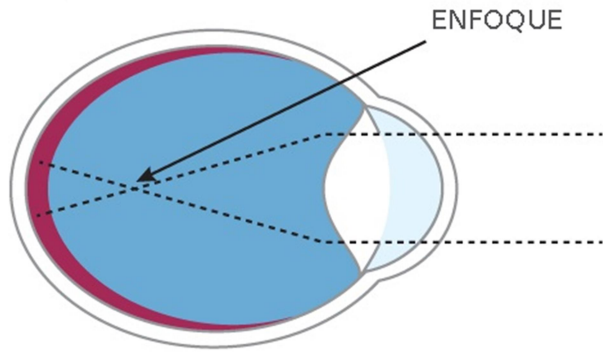
Visión de cerca

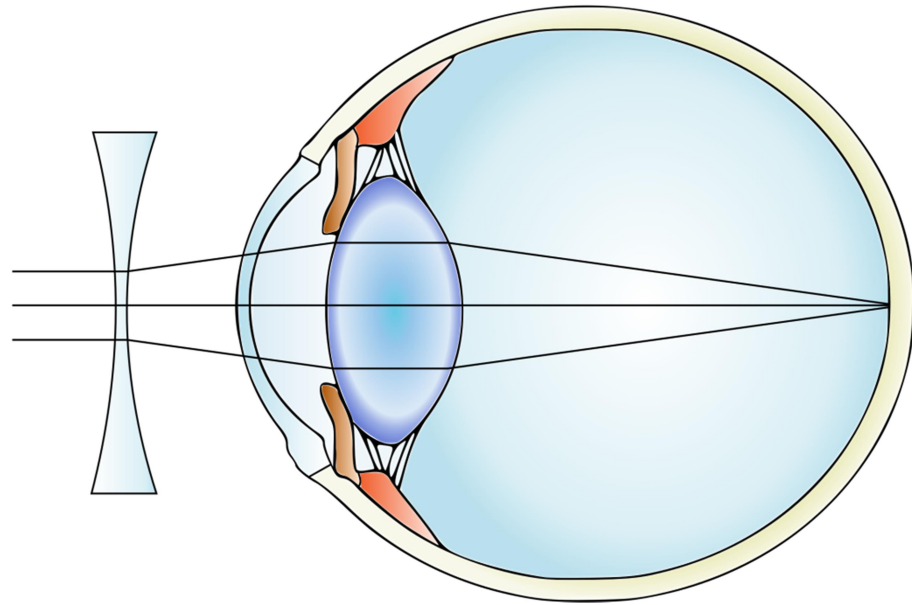
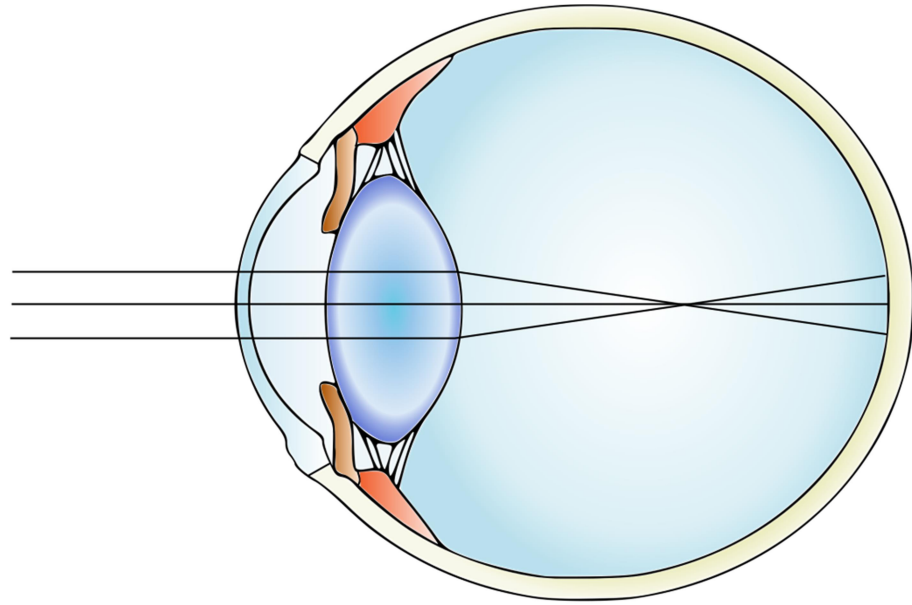
visión a media distancia

visión de lejos



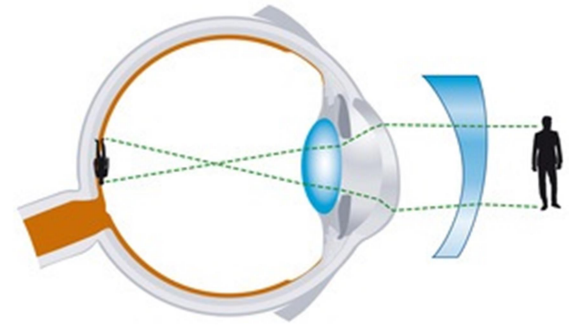
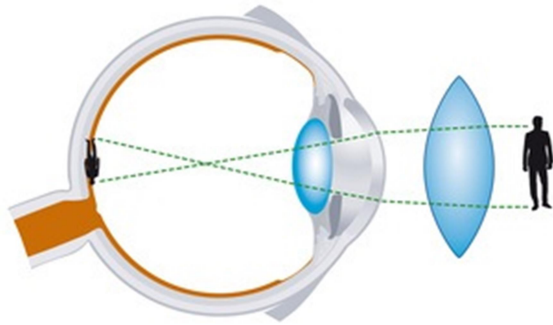
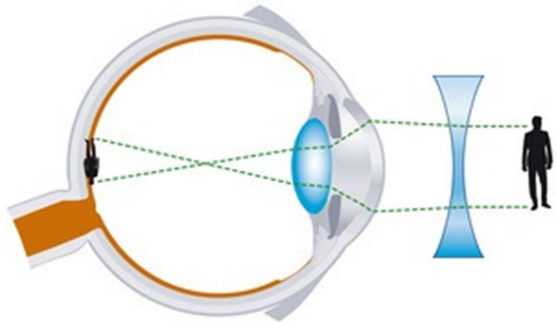
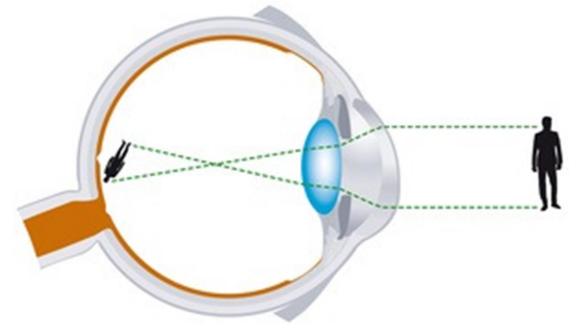
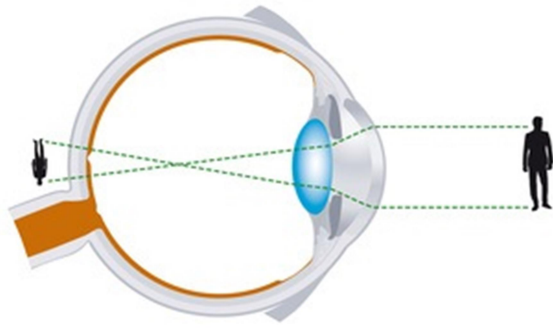
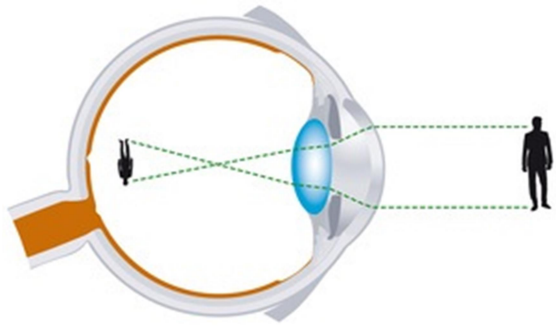
OJO CON MIOPIA





Hipermetropía

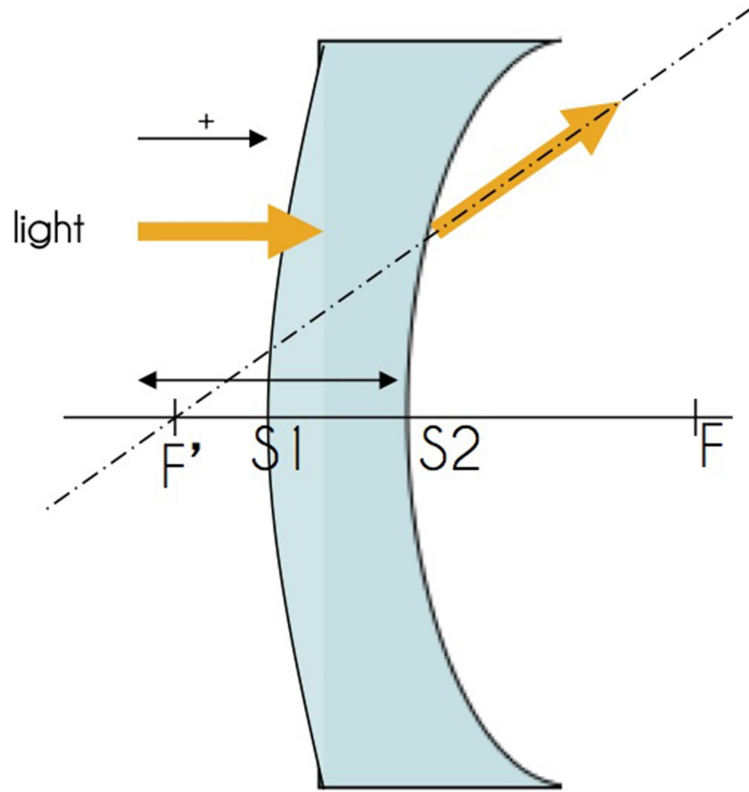




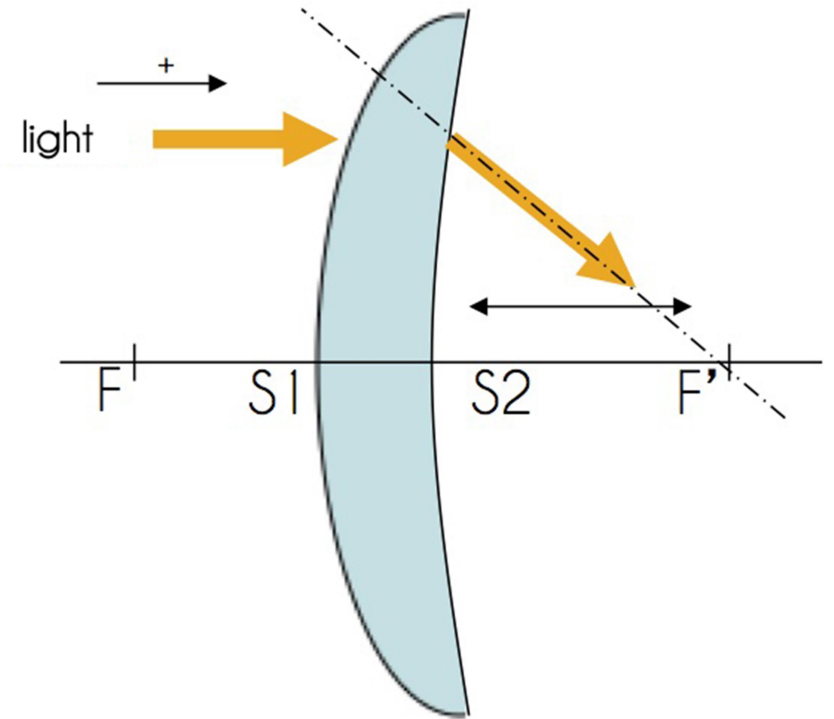
Miopía

Hipermetropía

Astigmatismo



Meniscus lens (-) : diverging lens
Used to correct **myopia**



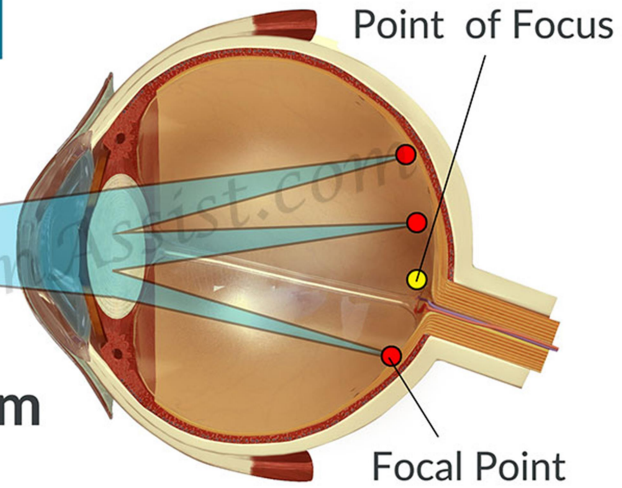
Meniscus lens (+) : converging lens
Used to correct **hyperopia**

Astigmatismo

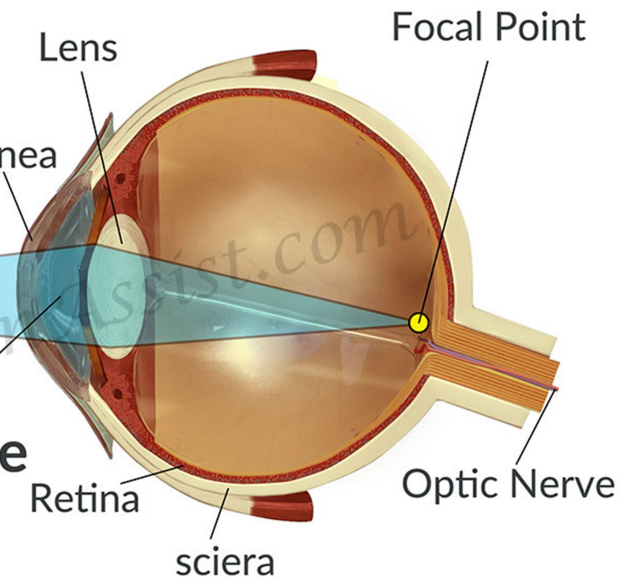
Astigmatism

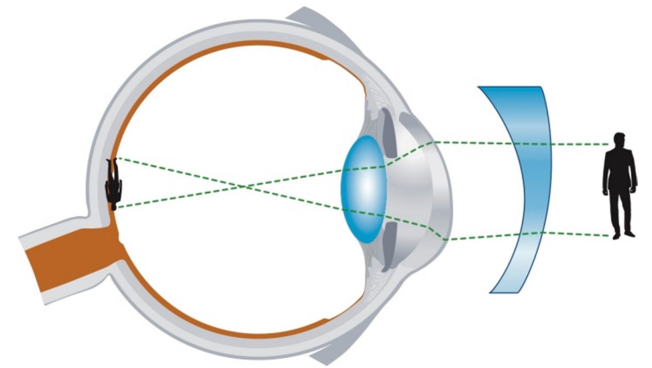
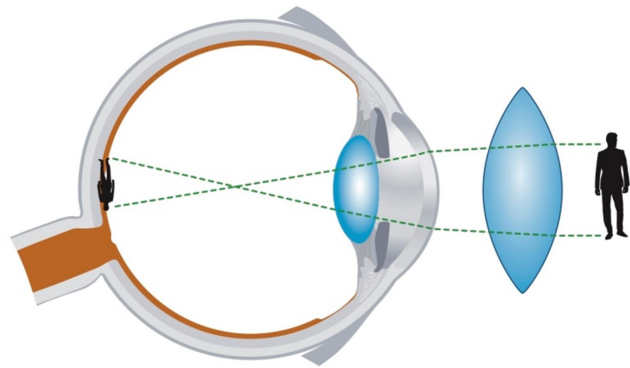
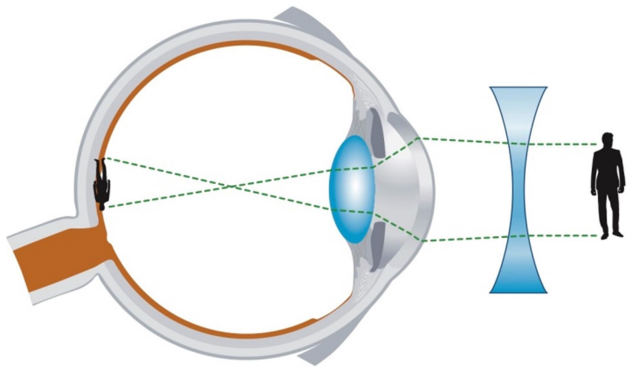
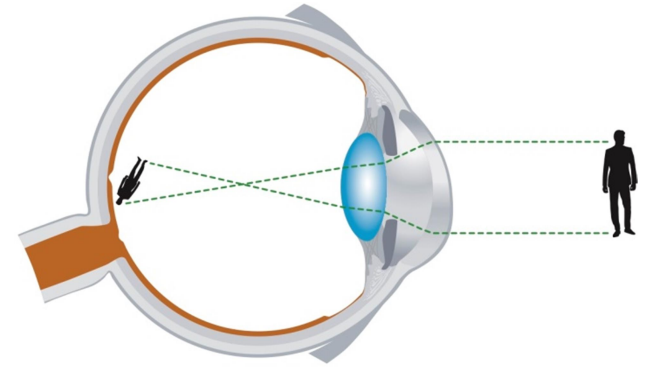
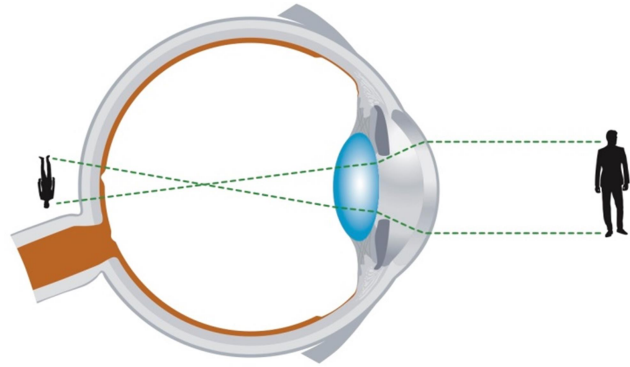
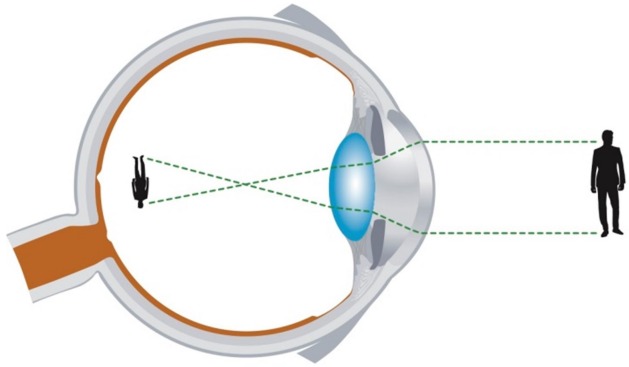


Astigmatism



Normal Eye





Myopia

Hyperopia

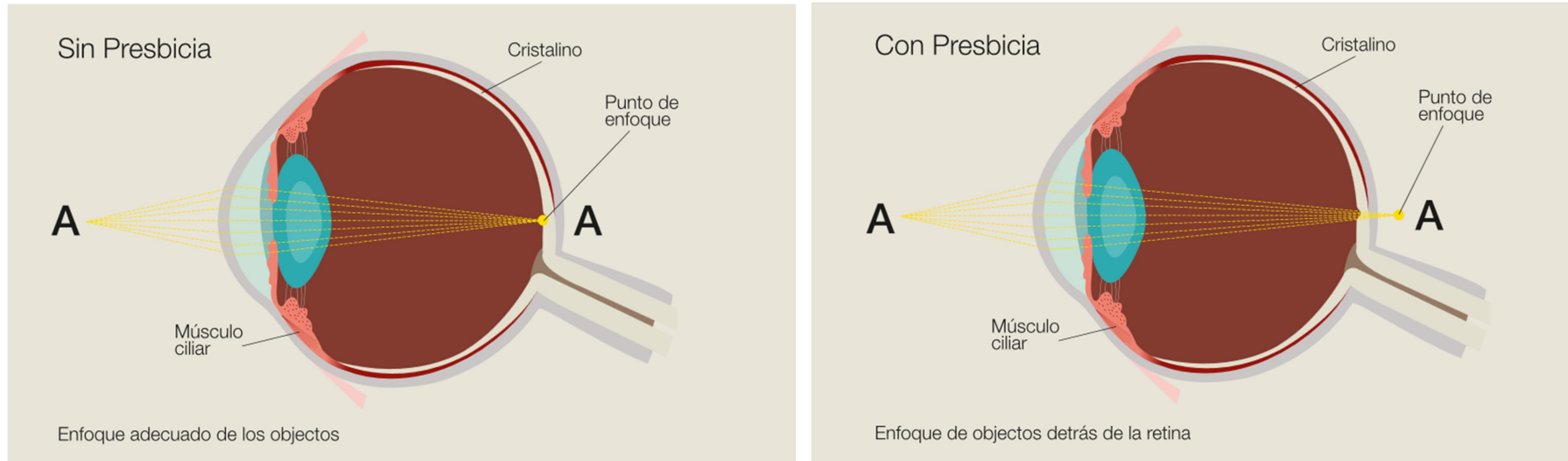
Astigmatism

Presbicia



La presbicia – vista cansada

La presbicia, conocida comúnmente como vista cansada, consiste en una dificultad para ver de cerca. Este deterioro de la visión de cerca está asociado a la edad y la pérdida de capacidad de acomodación del ojo. La vista cansada comienza a manifestarse en torno a los 40 años de edad y prácticamente podemos decir que el 100% de las personas con más de 50 años tiene presbicia.



La causa de este problema de enfoque tiene que ver con la pérdida de elasticidad del cristalino. En un emétrope, sin defectos de refracción, la elasticidad del cristalino le permite adaptarse para enfocar a diferentes distancias. Con el paso del tiempo, esta lente que es el cristalino se va endureciendo. Esa pérdida de elasticidad hace que el punto de enfoque cercano se vaya alejando progresivamente a medida que pasan los años.