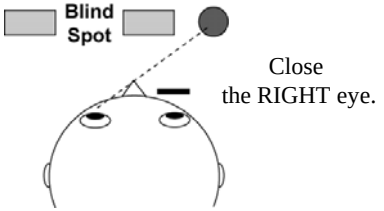
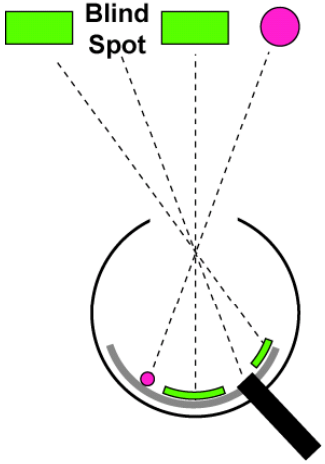
盲点における充填知覚を体験してみる

盲点

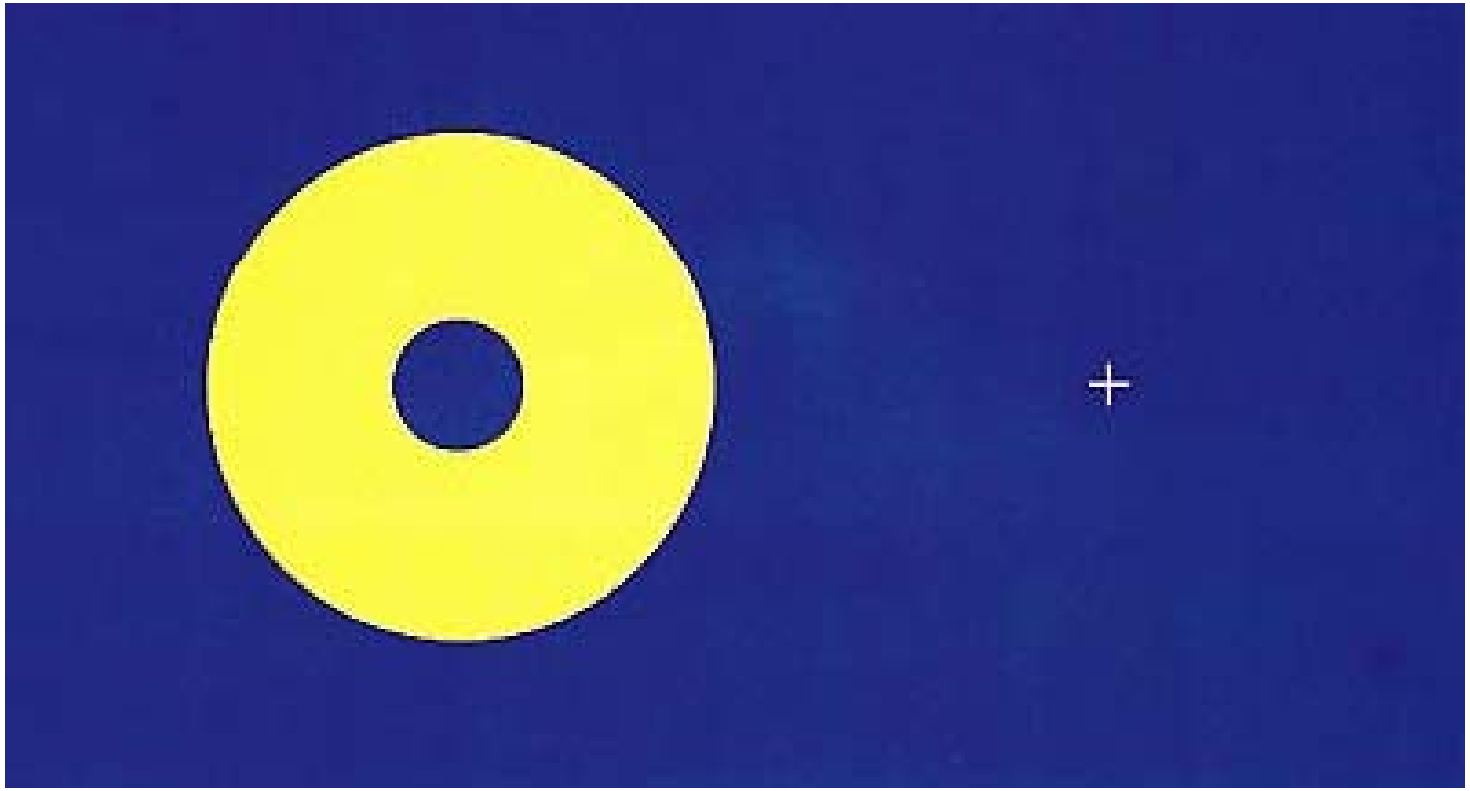
1. この紙を両手で持ち、腕を伸ばしてください。
2. 右目を閉じてください。
3. 紙は左右にずらさずまっすぐ持って、
4. 左目でピンクの〇を見てください
5. そのままゆっくり、紙を手前に近づけてください。
6. ある距離まで近づけると、「盲点」の文字が消え、下図のような、途切れていない緑の横棒が知覚されます。





The sheet of photoreceptors is much like a sheet of film at the back of a camera. But it has a hole in it. At one location, called the optic nerve head, processes of neurons collect together and pass as a bundle through the photoreceptor sheet to form the optic nerve (the thick black line extending down and to the right in the diagram), which carries information from the eye to the rest of the brain. At this location, there are no photoreceptors, and hence the brain gets no information from the eye about this particular part of the picture of the world. Because of this, you should have a "blind spot" (actually two, one for each eye), a place pretty much in the middle of what you can see where you can't see.
(adapted from http://serendip.brynmawr.edu/bb/blindspot1.html)

盲点における充填知覚



http://www.nips.ac.jp/guide/2002/res/bio-system.html

右目をとじ，左目で十字をみながら顔を絵から20cmくらいに近付けると，青い内円が消えると同時に円全体が黄色い満月のように見える（充填知覚）。