

### CLASS ASSIGNMENT 3

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# problems at lesions at different points in the given image

- A : right optic nerve cut
  - monocular vision always : loss of depth perception
  - also always will have a blind spot due to non-coverage of the left eye's optic nerve not being covered by the right as usual

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- B: optic chiasm cut
  - information not shared between hemispheres : issues in function
  - for instance : an obstacle from left side of left monocular vision will not be passed on to the right hemisphere which controls the functioning of the left motor muscles : potential issues.(consider inversion of "actual" image")
  - right field of left eye and left field of right eye are lost

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- C: right optic tract cut
  - not processing right field of both monocular fields:
  - again a large drop in portion of field covered

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- D: post LGN towards parietal lobe (dorsal stream)
  - issues with MT: detecting motion may be an issue in the right field of both eyes
  - "How" will be messed up

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- E: post LGN towards temporal lobe (ventral stream)
  - issues with It: color and object detection may be an issue in the right field of both eyes
  - "What" will be messed up