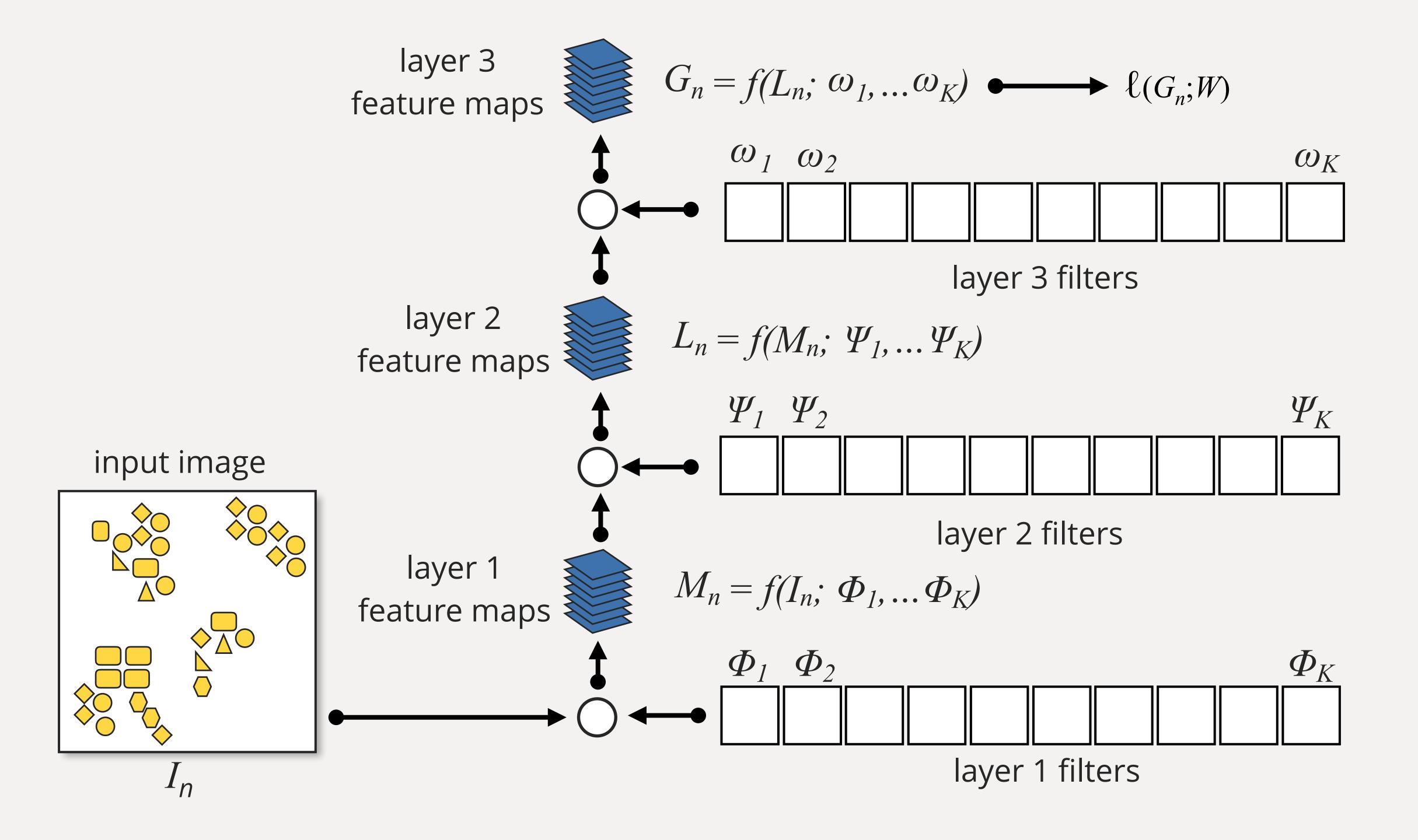


## How the convolutional neural network works

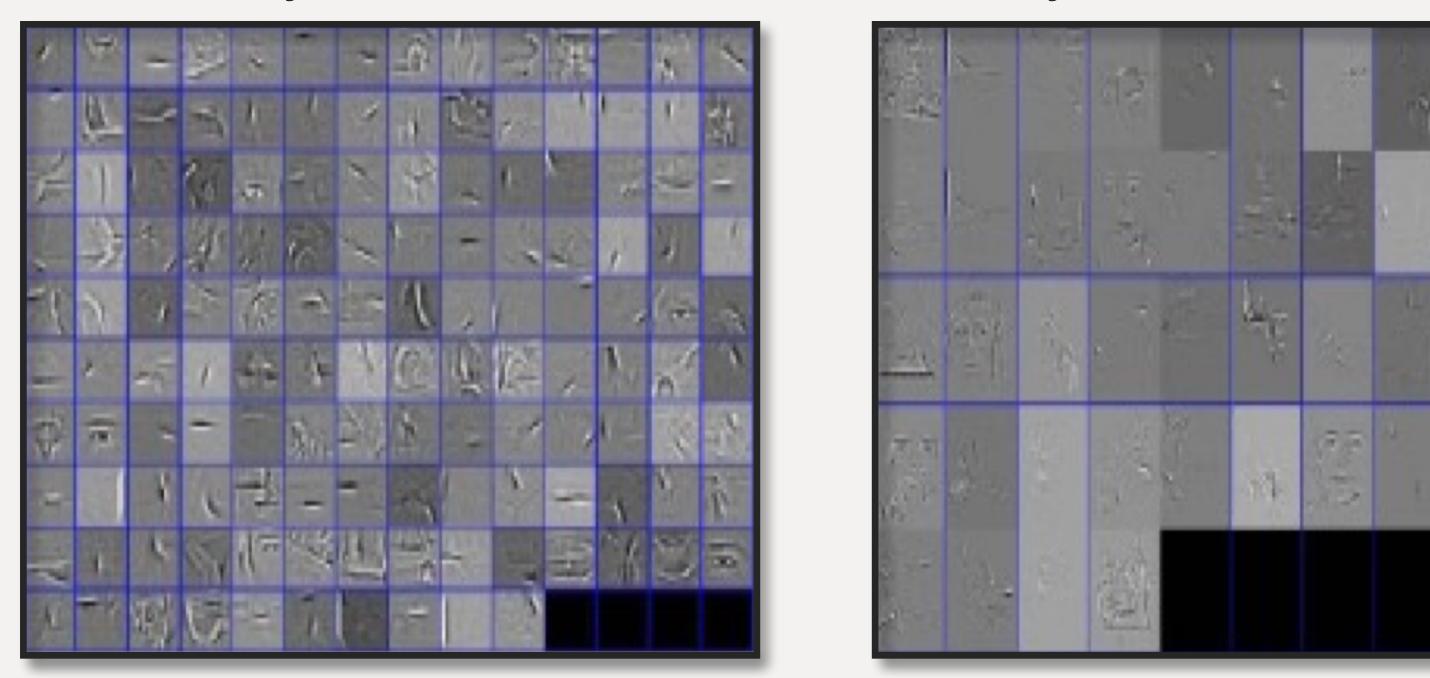
## How a machine learns



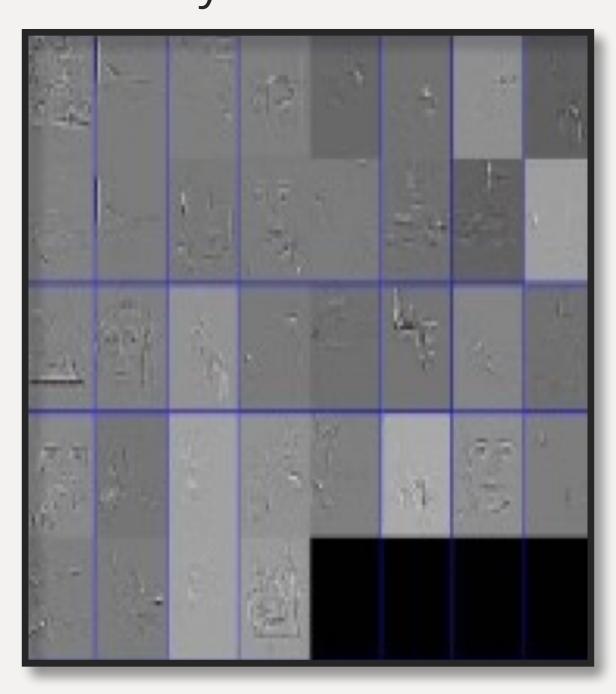
layer 1 filters

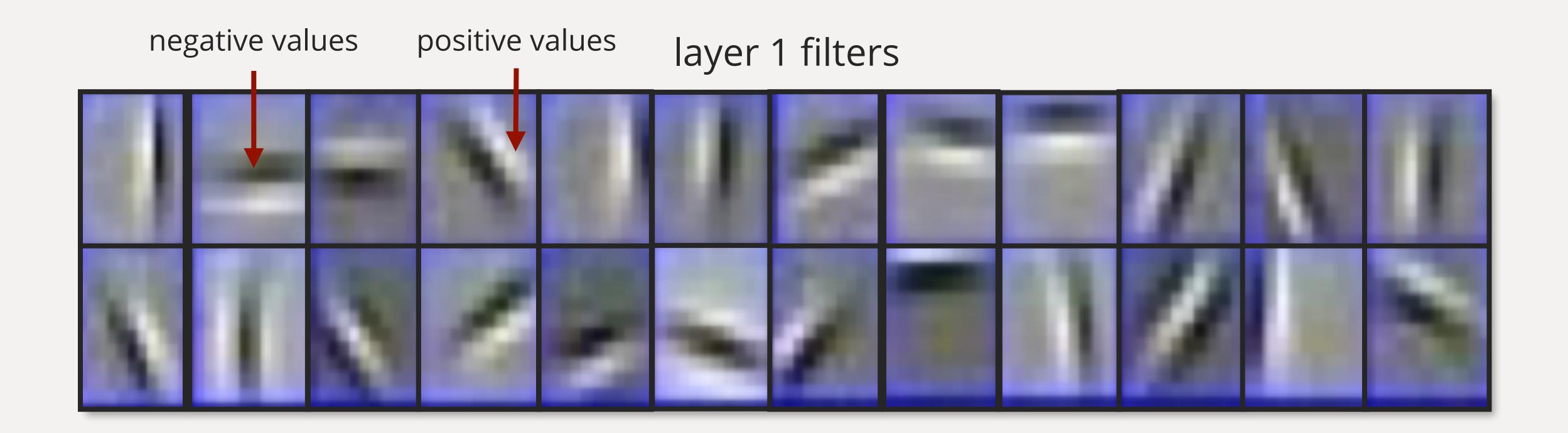


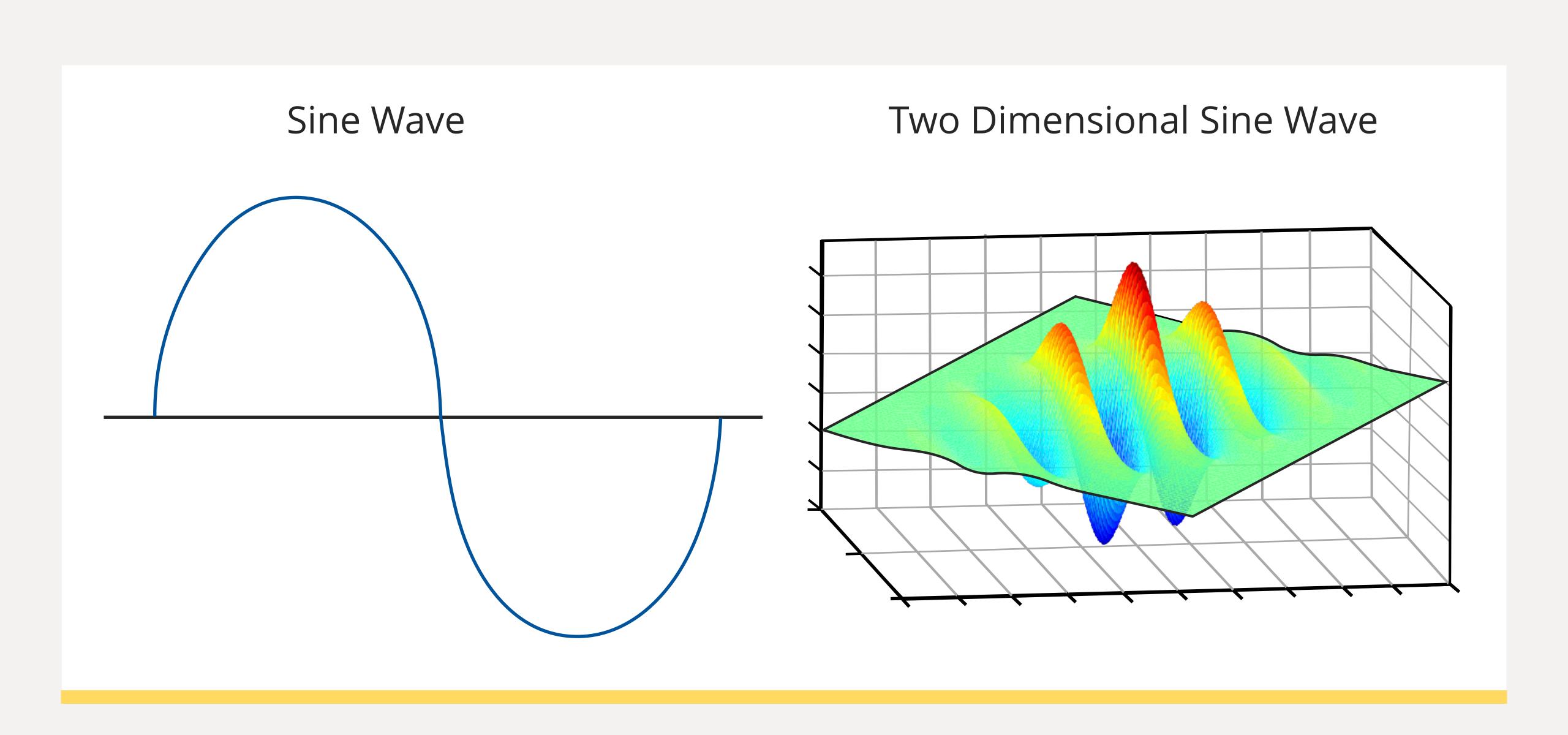
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layer 3 filters

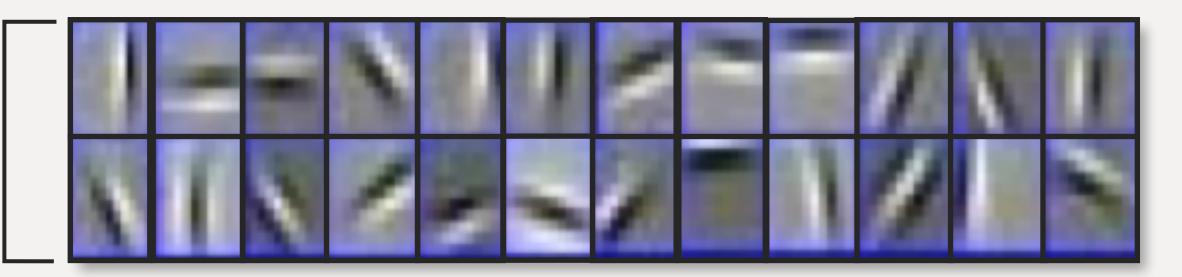




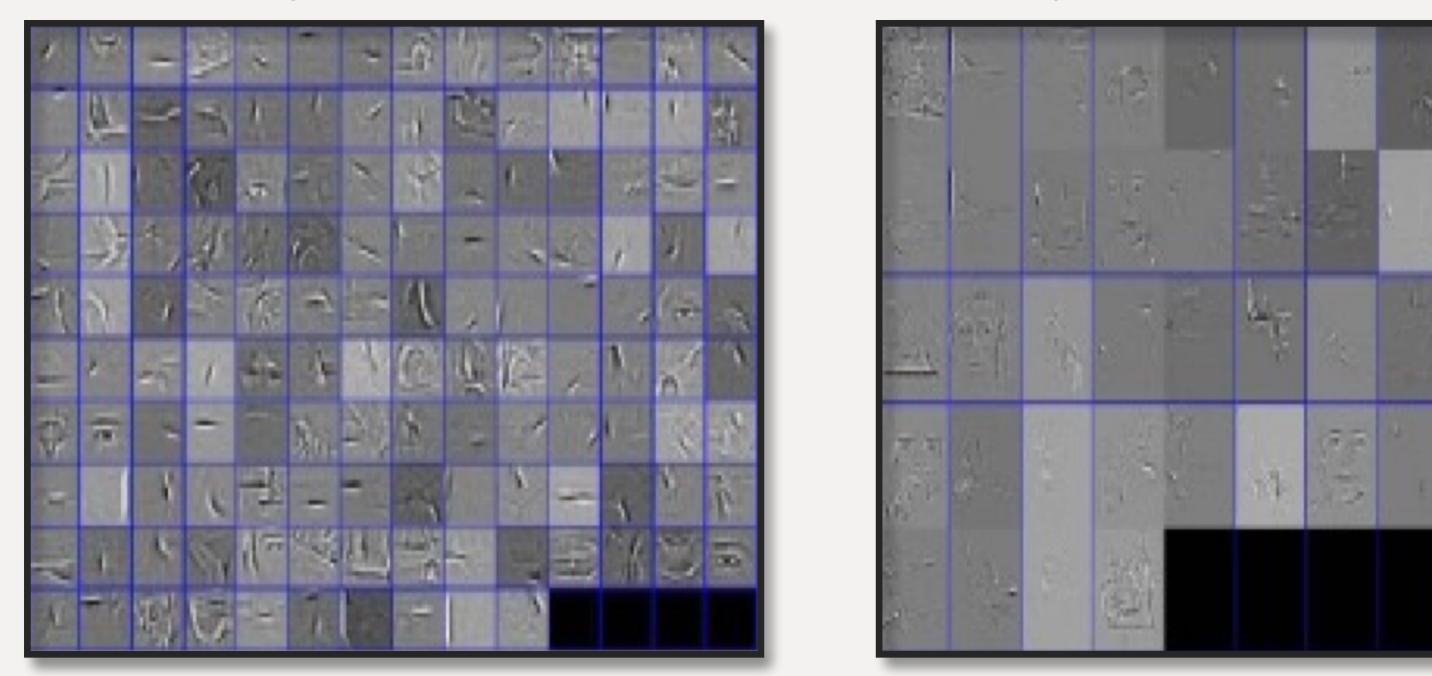


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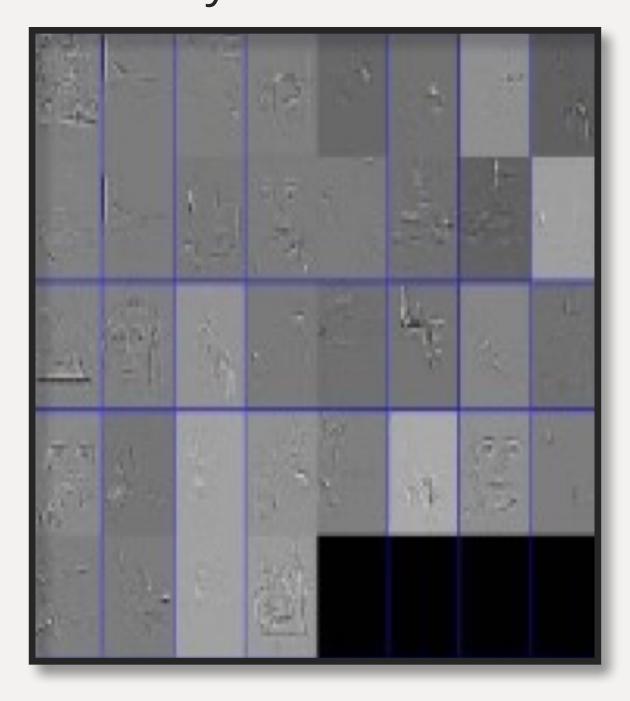
Gabor functions

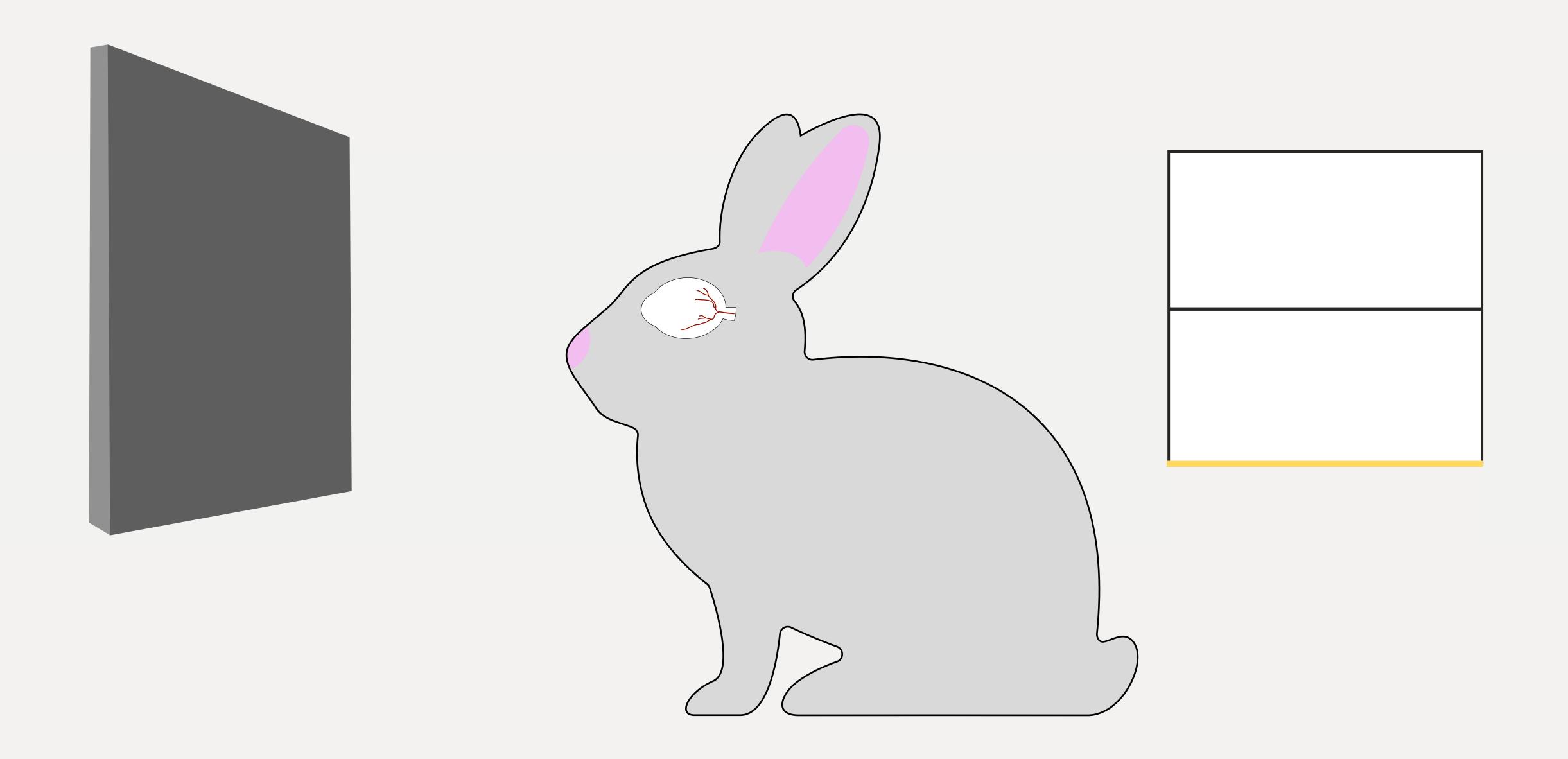


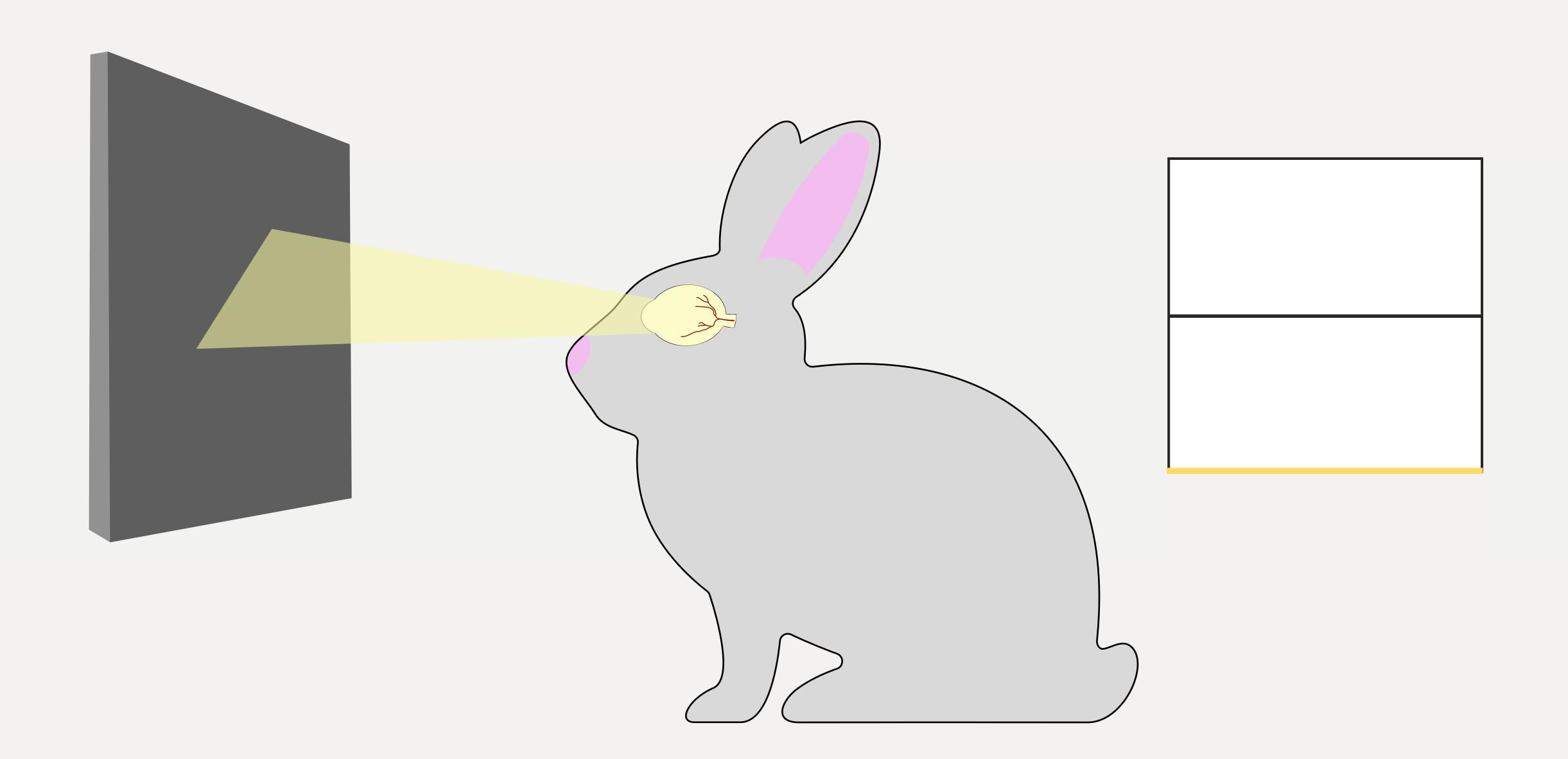
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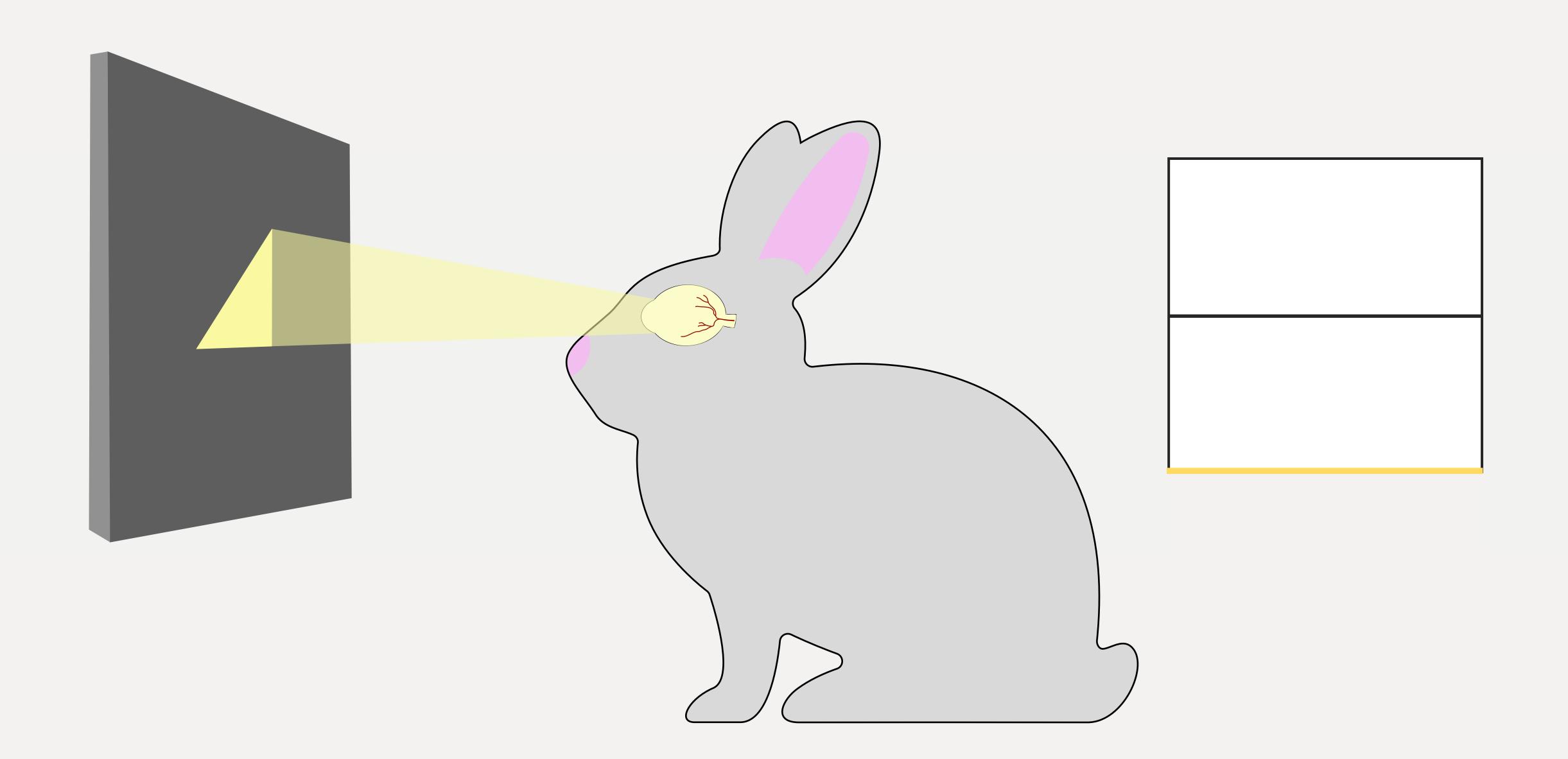


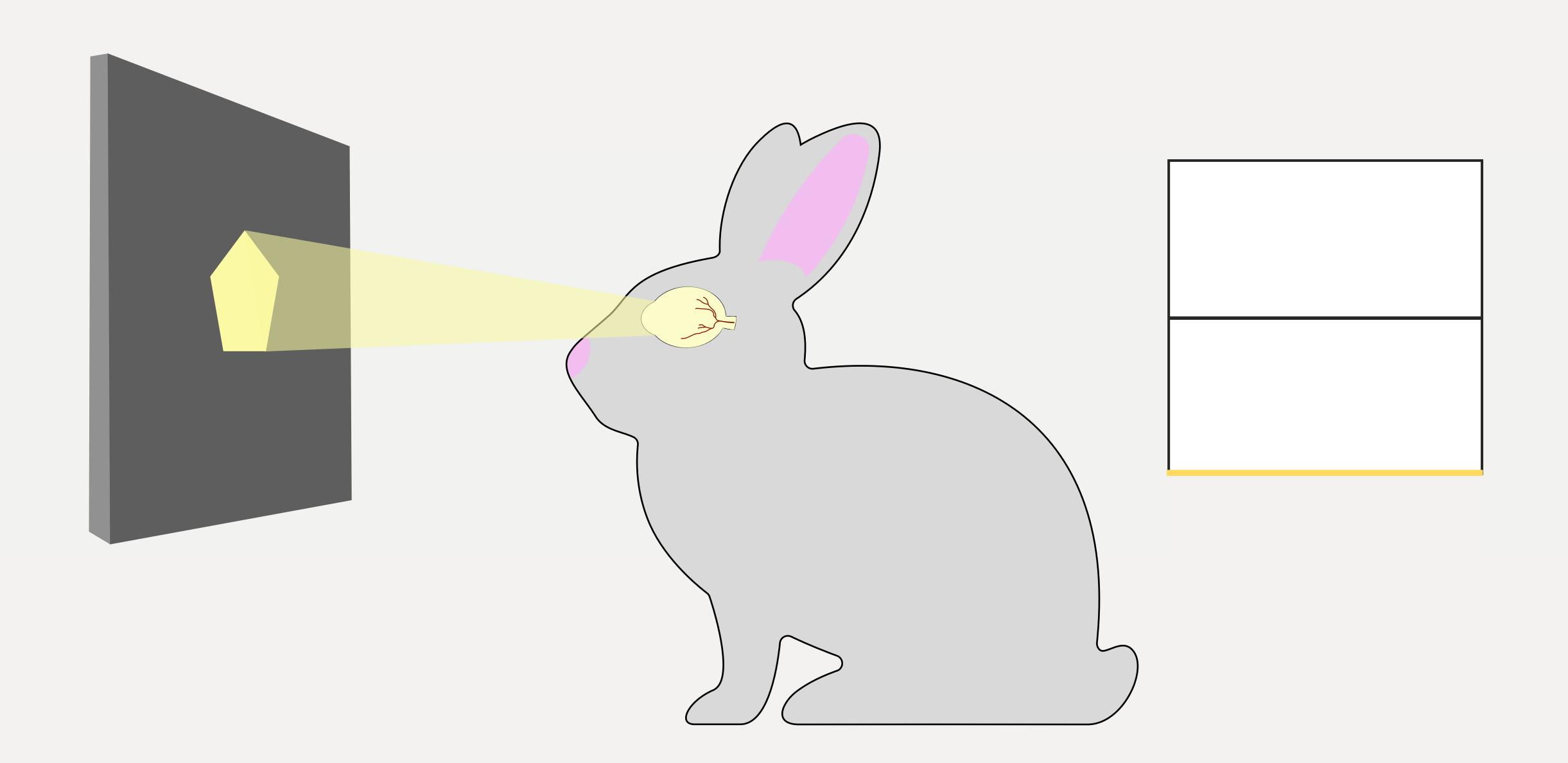
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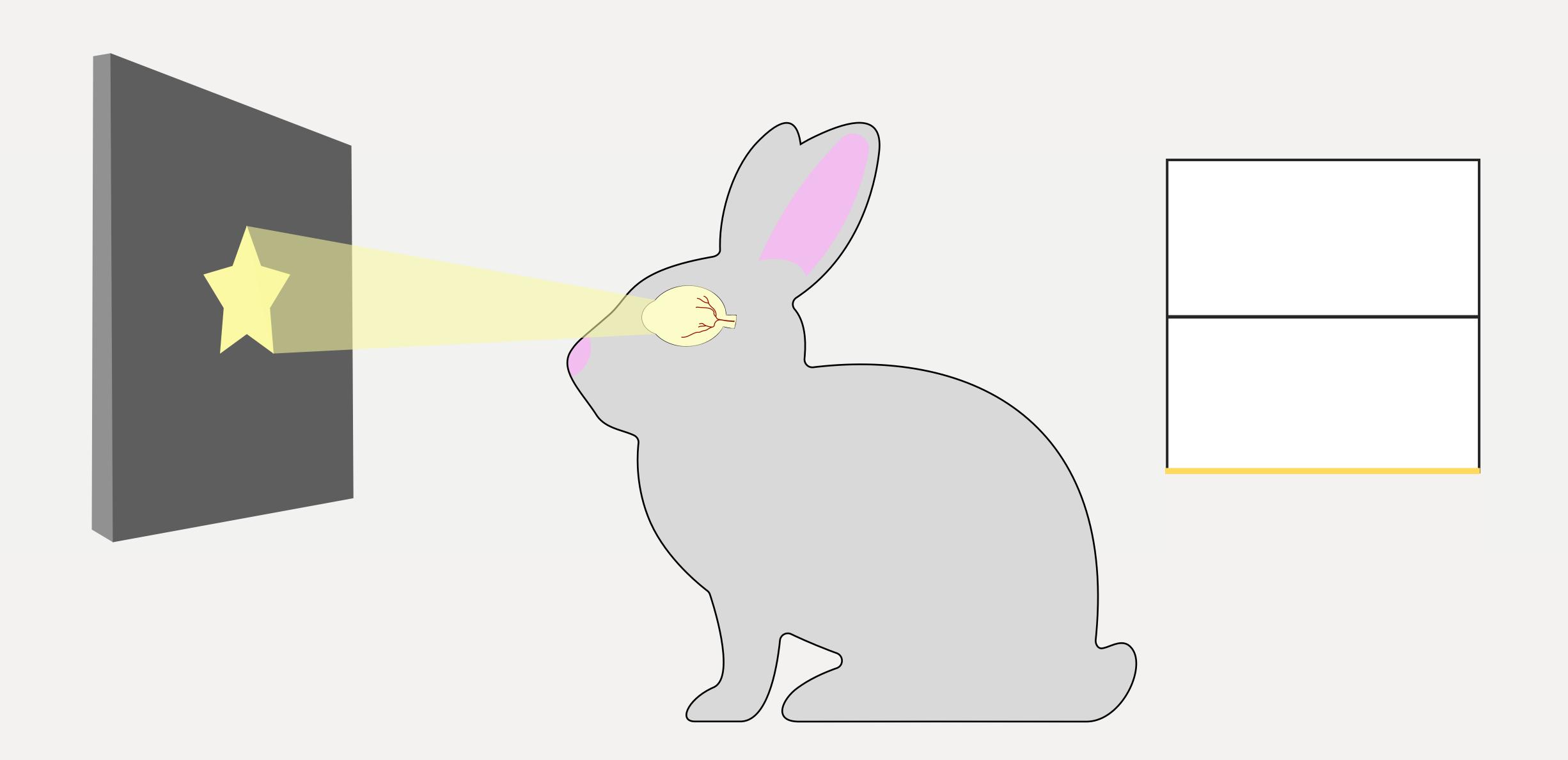


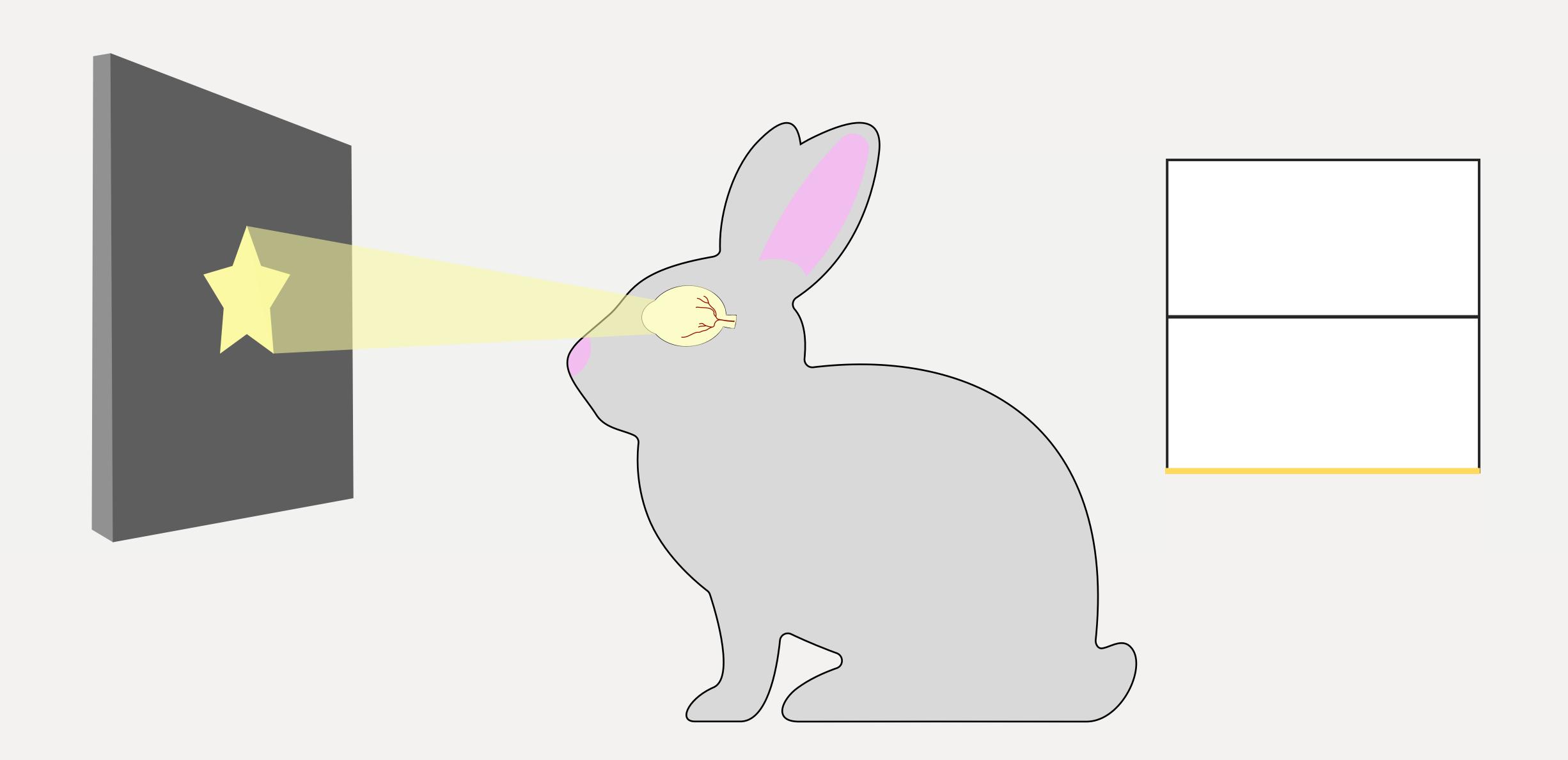


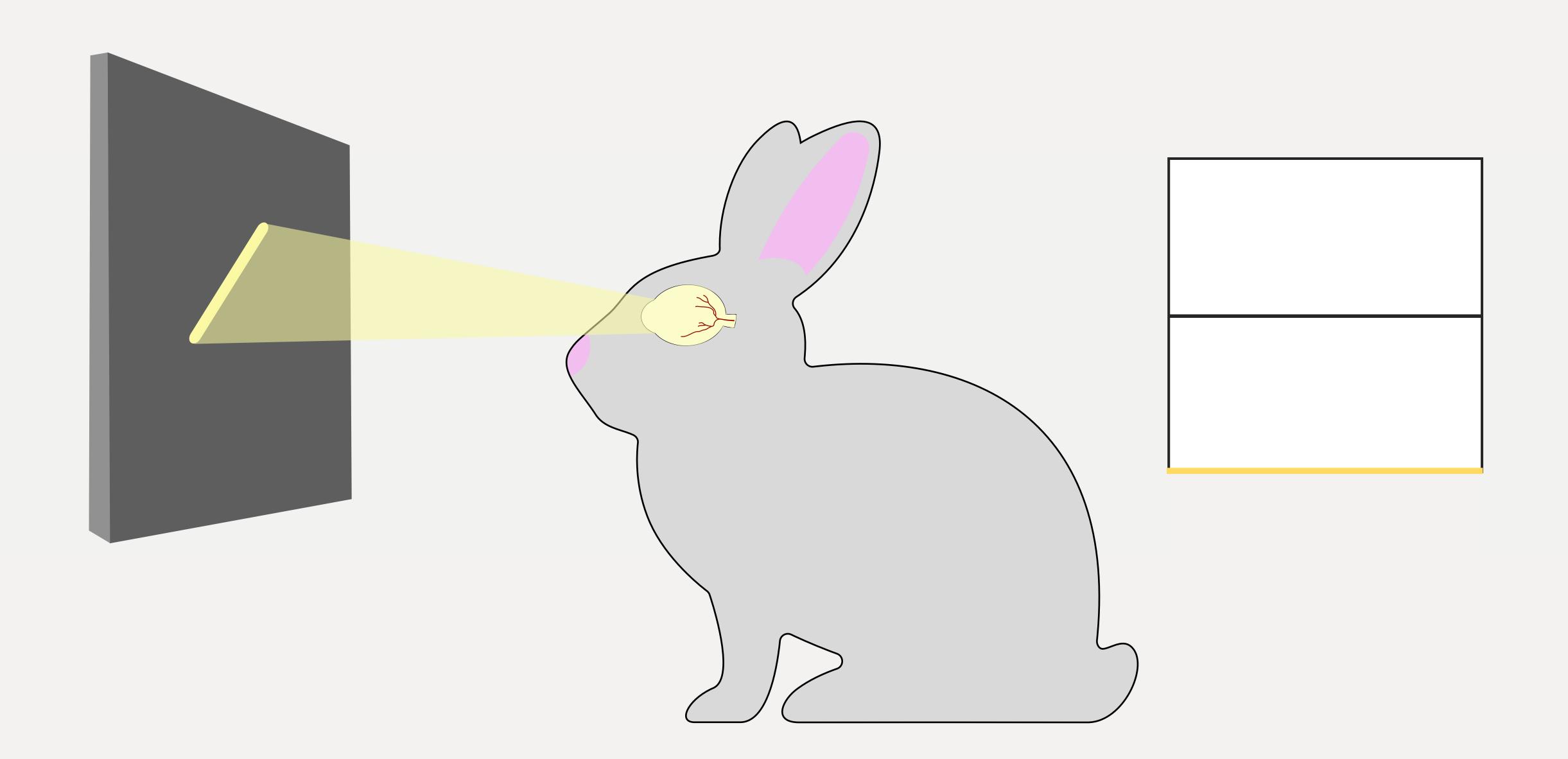






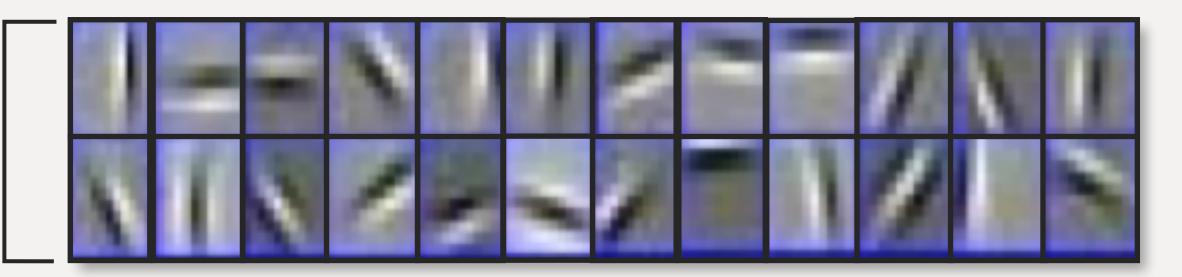




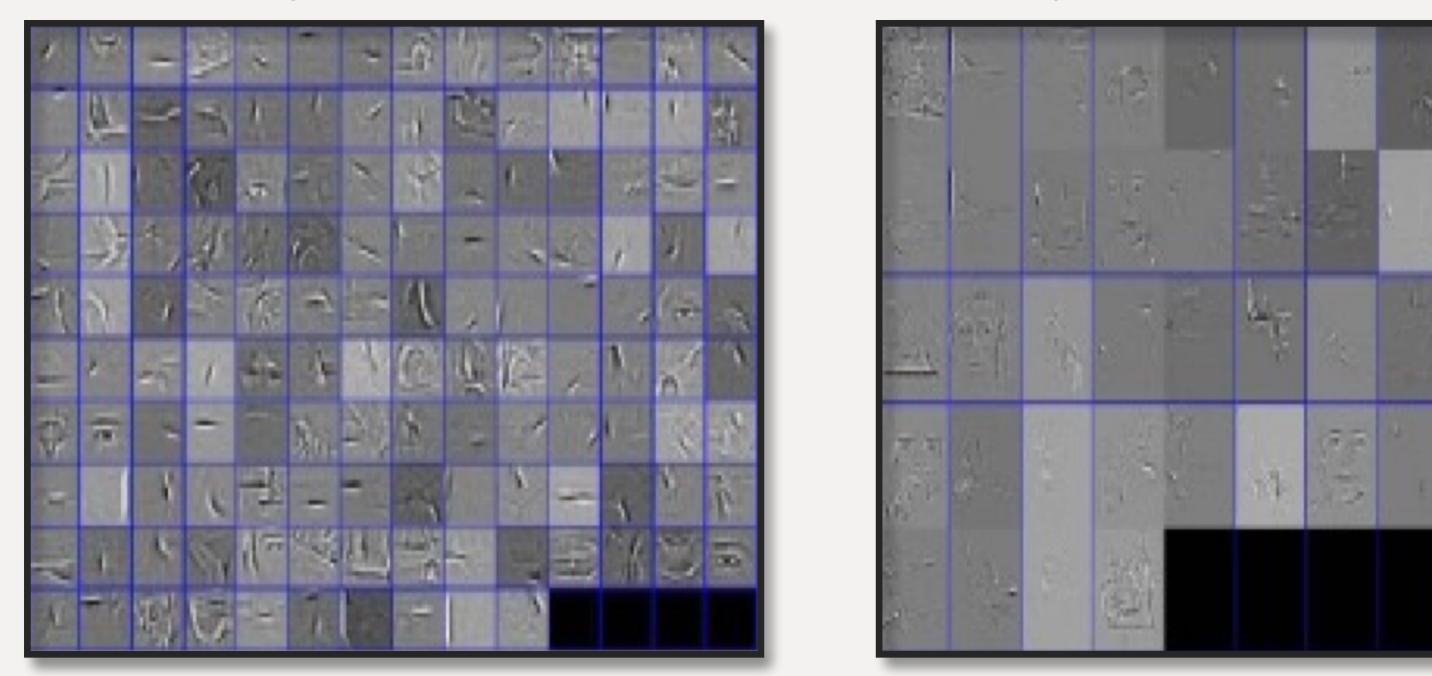


layer 1 filters

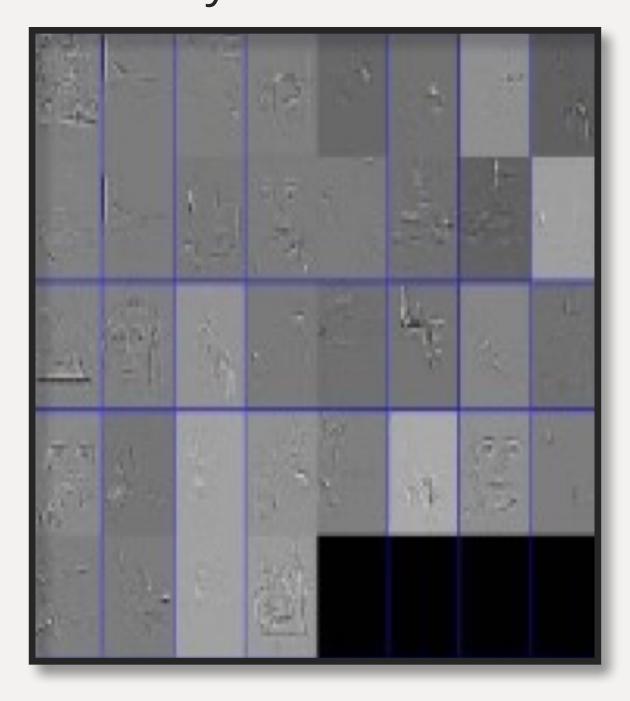
Gabor functions



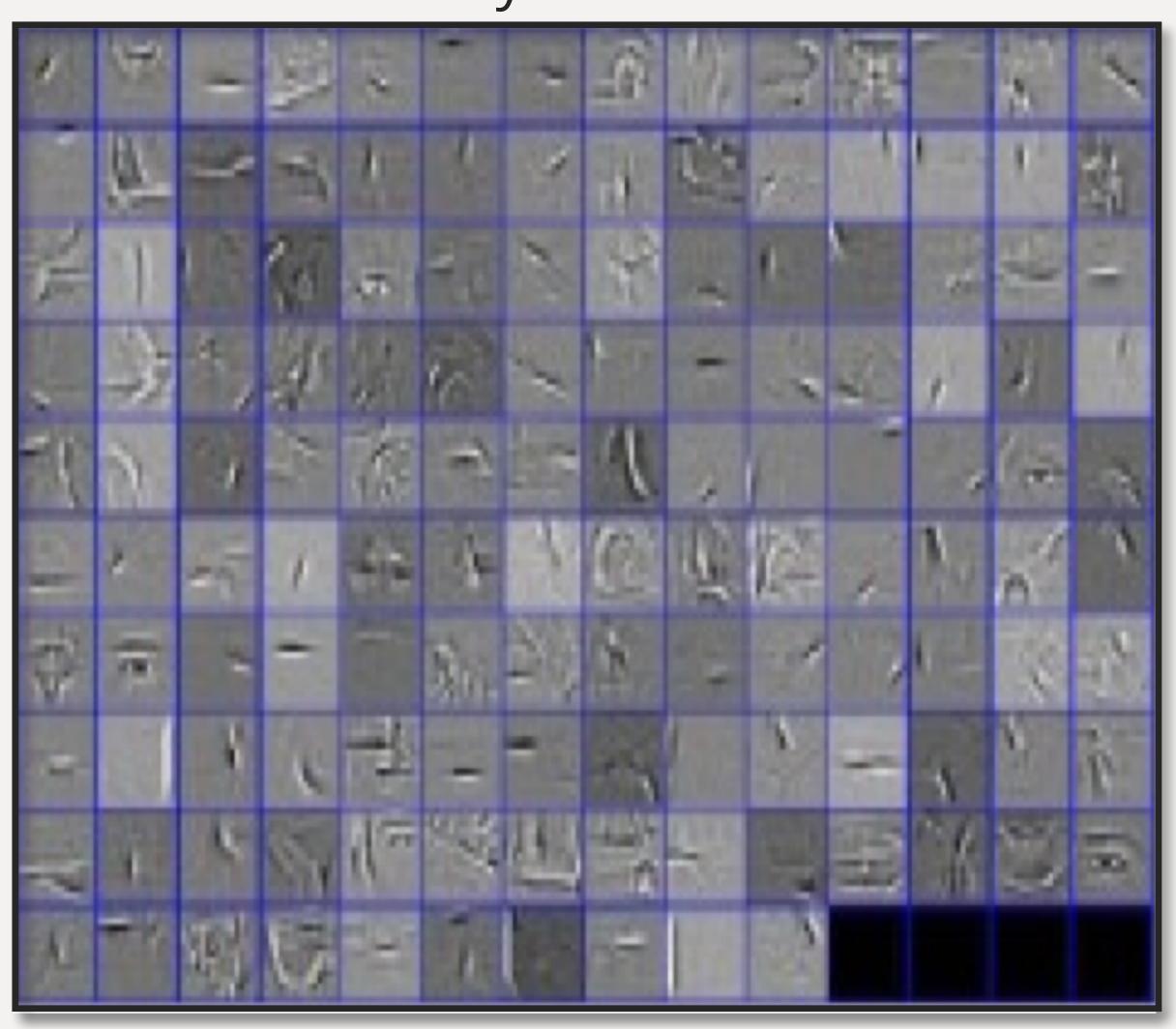
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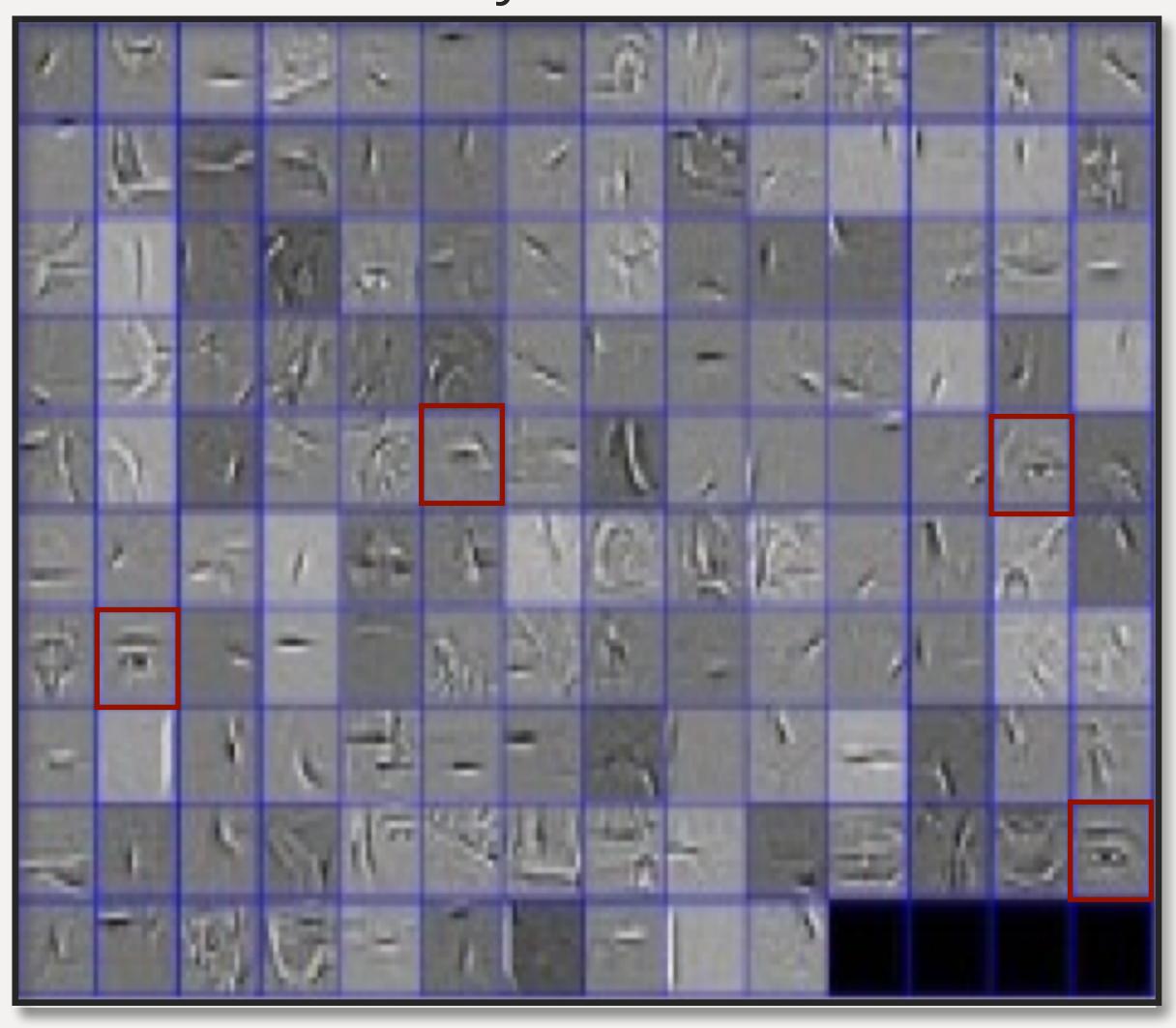
layer 3 filters



layer 2 filters

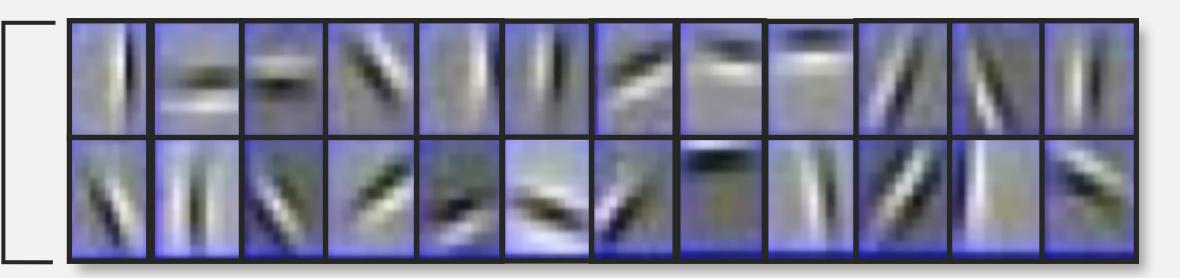


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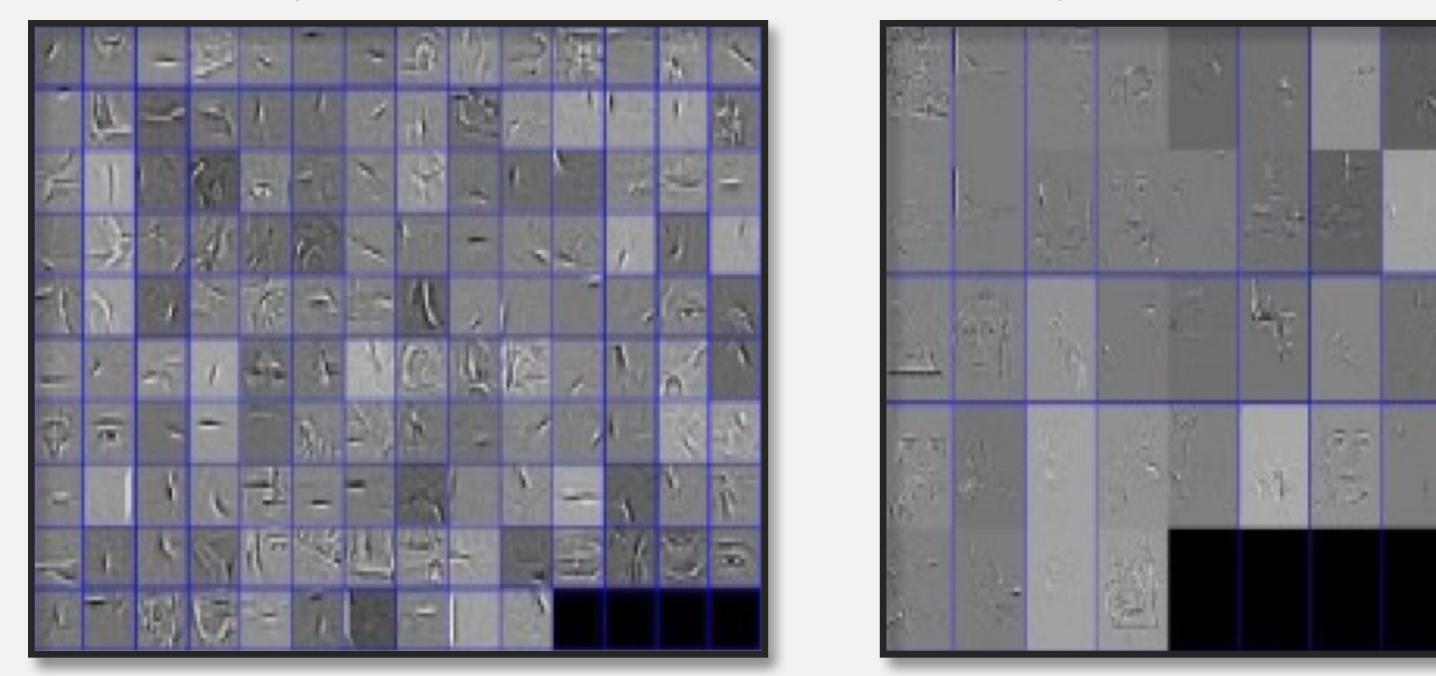


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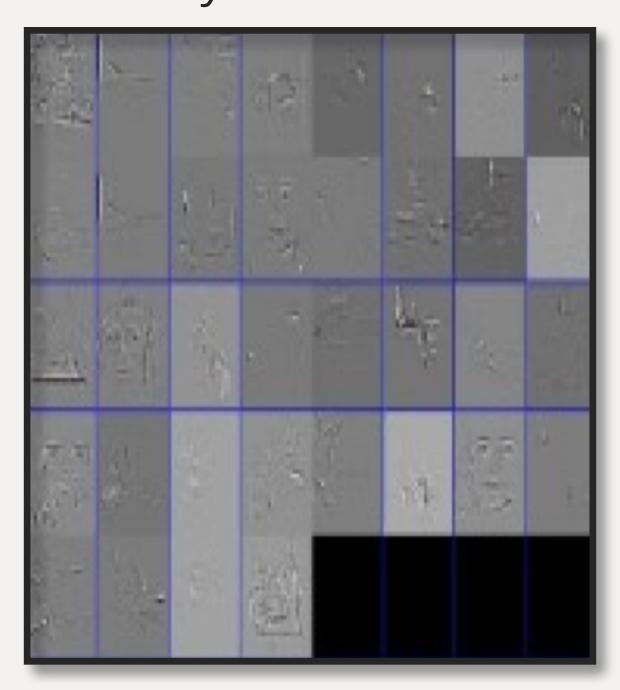
Gabor functions



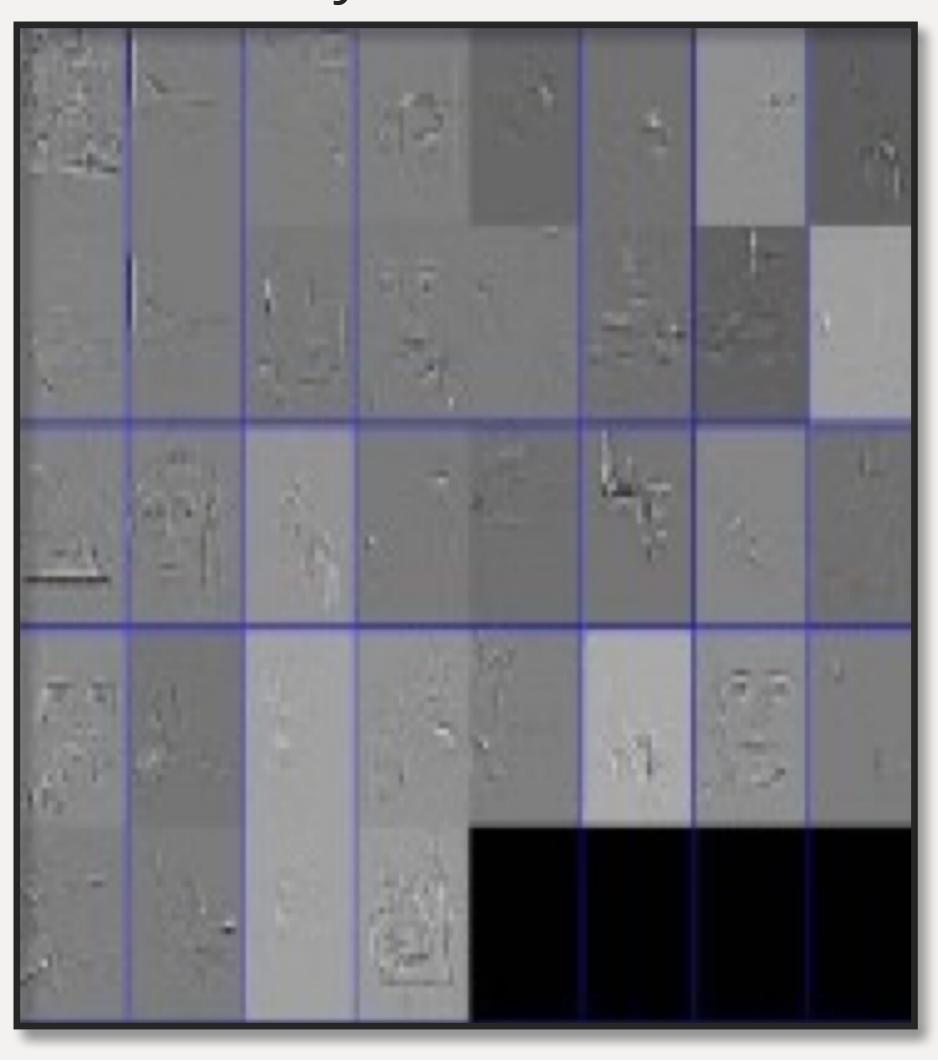
layer 2 filters



layer 3 filters



layer 3 filters



layer 3 filters

