Consider the 5x5 matrix below as an example of a toy image. Consider the two convolutional filters applied to the image below.

2	3	7	2	1
6	4	10	4	2
4	5	8	9	2
5	6	7	2	1
6	9	5	0	4



We see that the output of m convolutional filters gives us m new matrices. We can call them channels in the context of a convolutional neural network.